

A nighttime aerial view of a city, likely Chicago, featuring the Chicago River and several bridges. The city lights are illuminated, and the sky is a deep blue. The text is overlaid on the top portion of the image.

SIEMENS

SI Buildings Academy

2026 Customer Training Directory

Table of Contents

GENERAL INFORMATION

Welcome to SI Buildings Academy	3
Our Instructors	4

BUILDING AUTOMATION

HVAC Control Concepts	6
Desigo CC Master System Administrator	7 - 9
Additional Desigo CC Training	10 - 11
PPCL Master Programmer	12 - 14
CFC Programming	15
Field Panel, FLN and DXR	16 - 17
Desigo Optic	18
Insight	19 - 20
Critical Environment	21

SECURITY

SiPass Access	23
Siveillance Video	24

FIRE AND LIFE SAFETY

Desigo CC Management Station	26
Desigo Fire Safety Modular	27 - 29
Desigo Life Safety UL	30 - 32
MXL Migration	33

ADDITIONAL CONTENT

Notes	33
Training Enrollment Form	34

COLOR AND GRAPHIC KEY

				
Instructor Led	Virtual Instructor Led	Web Based Training	Duration in Days	Duration in Hours
Web Based Training		Virtual Instructor Led		Instructor Led

Welcome



Karen Petersen
Director, SI Buildings Academy

A Message to our Students

At Siemens, we believe that training is more than a process—it's a promise. A promise to empower our people with the skills, confidence, and adaptability they need to thrive in a fast-changing world. Through thoughtful, hands-on learning, we help our teams stay sharp, agile, and ready to lead with excellence.

Our training programs are designed to support every learner—whether you're just getting started or looking to deepen your expertise. From e-learning modules to virtual and in-person instructor-led sessions, we offer flexible options to meet your needs and schedule. Whether you're learning from your desk, onsite at your building, or at one of our Siemens locations, we're here to support your growth.

Need something more tailored? No problem! Our team can customize training solutions that align with your operational goals and learning objectives. Your success is our mission!

Feel free to reach out to me at karen.petersen@siemens.com with any questions. Let's partner together to build a culture of learning, innovation, and excellence.

Karen Petersen

Our Instructors



Chris Acevedo
Building Automation



Andrew Bond
Building Automation



Carl Booth
Building Automation



Dan Browne
Building Automation



Brent Byerle
Building Automation



Cliff Cavales
Building Automation



Ben Copeland
Building Automation



Greg Diaz
Building Automation



Kevin Doby
Building Automation



Rachel Eads
Building Automation



Scott Ferstand
Building Automation



Noel Hipolito
Building Automation



Nolen Law
Building Automation



Rob Laws
Building Automation



Zoe Magnetta
Building Automation



Paul Myers
Building Automation



Bob Stillman
Building Automation



Jamahl Williams
Building Automation



Amanda Randolph
Security



Tony Schaefer
Security



Rob Hartman
Fire Safety



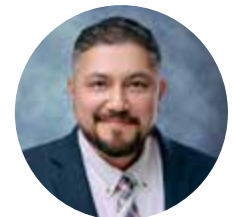
Jon Istre
Fire Safety



Will Lindsay
Fire Safety



Nick Myers
Fire Safety



Junior Zapata
Fire Safety

Building Automation



HVAC Control Concepts

HVAC Control Concepts

AUT 102

Target Audience: For users who need an introductory understanding of HVAC control concepts.



Prerequisites: None

This web-based course introduces fundamental HVAC control concepts for beginners, covering temperature control, humidity, and air quality. It emphasizes air cleanliness and circulation for occupants, equipment, and processes. Organized into nine modules with knowledge checks, the course covers heat transfer, the Psychrometric Chart, mechanical heating/cooling, AHUs, DDC concepts, the Desigo CC Workstation, sequences of operation, and construction documentation.

Topics:

- Mechanics of Heat Transfer
- Direct Digital Control (DDC) Concepts
- Air Handling Unit (AHU)
- Psychrometric Chart
- Mechanical Heating and Cooling
- Desigo CC Workstation
- Sequence of Operations
- Construction Documentation

HVAC Control Concepts

HVC 1103

Target Audience: For anyone who needs an understanding of HVAC control concepts.



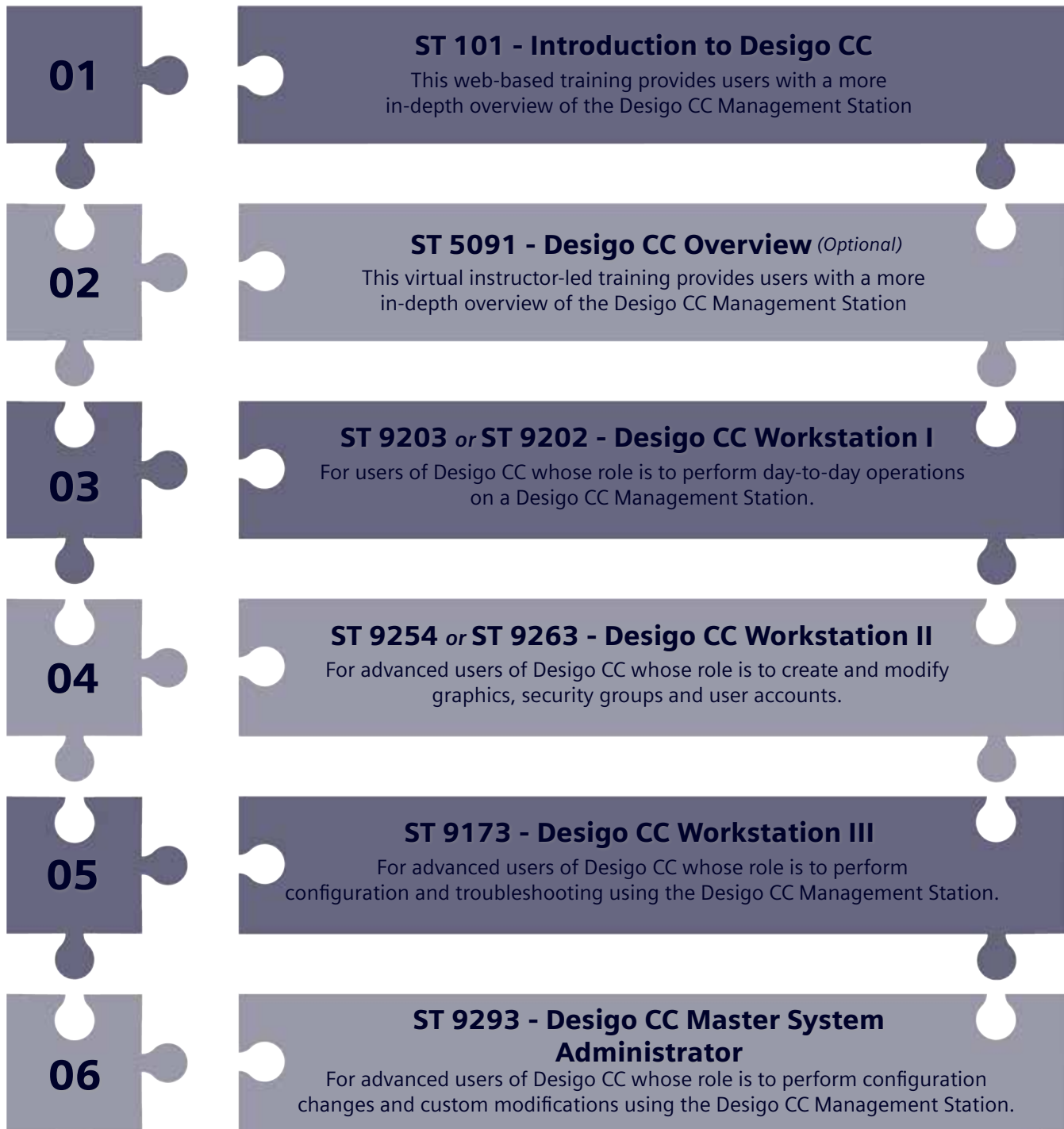
Prerequisites: None

Learn design characteristics and functionality of HVAC systems and DDC concepts. Learn to read construction documents and analyze sequences of operations and the effects of changing loads in a building.

Learning Outcomes:

- Describe the functions of HVAC and how they are accomplished
- Define Direct Control Concepts for HVAC systems
- Explain BACnet fundamentals of Mechanical Heating and Mechanical Cooling
- Differentiate the characteristics of the types of Air Handling Units
- Identify the three networks used for Siemens Building Automation and the components that reside on those networks.
- Describe the functionality of the Desigo CC control software and navigate its various features
- Analyze the sequence of operation for different control strategies and change system settings in response to system changes

Desigo CC Master System Administrator Training Path



The Desigo CC Master System Administrator Training Path is designed to boost your professional development by providing essential knowledge for navigating the Desigo CC Management Station. The training consists of sequential classes that build on each other, culminating in a capstone scenario-based training. Instructor-led classes include knowledge and skills assessments to help you gauge your proficiency. Completing the courses in the recommended order ensures a comprehensive understanding. Upon finishing the entire path, you will achieve Master Operator status.

For experienced operators, a test-out is available for the ST 9203 - Desigo CC Workstation I class. The test-out is available at: www.siemens.com/esonline.

Introduction to Desigo CC

ST 101

Target Audience: For users who need an overview of the Desigo CC Management Station.

Prerequisites: None



This web-based training course provides an introduction to the Desigo CC Management Station.

Topics:

- Platform Design
- Workflow
- Applications

Desigo CC Overview

ST 5091

Target Audience: For users who need an overview of the Desigo CC Management Station.

Prerequisites: None



Learn Desigo CC basic knowledge on navigation of the System Manager, Event/Alarm Configuration, Graphics Editor Basics, Trending, Reports, Log Viewer, and Remote Notifications.

Learning Outcomes:

- Explain the Desigo CC GUI layout, panes, and tabs
- Navigate within the System Manager
- Navigate through the Desigo CC Graphic Viewer
- Recognize points that have been commanded to Operator Priority
- Use various treatment options to acknowledge and reset alarms
- Manually collect trend data
- Explain the three parts of BACnet scheduling
- Create exceptions and add them to existing BACnet schedules
- Explain how Remote Notifications send messages to recipients

Desigo CC Workstation I

ST 9203 or ST 9202

Target Audience: For Users of Desigo CC whose role is to perform day-to-day operations on a Desigo CC Management Station.

Prerequisites: None



Learn how to monitor and control your Desigo CC Management Station through hands-on guided exercises and discussions. A scenario-based skills assessment at the end of the course allows you to put into practice the knowledge you have learned.

Learning Outcomes:

- Perform Event Management
- Explain the workflow of Desigo CC
- Navigate a Desigo CC graphic
- Command and release points from a graphic
- Manually collect trend data
- Utilize Log Viewer to locate historical data
- Run, execute, modify, and save reports
- Initiate Remote Notification

Desigo CC Workstation II

ST 9254 or ST 9263

Target Audience: For advanced users of Desigo CC whose role is to create and modify graphics, security groups and user accounts.



Prerequisites: ST 9203 or ST 9202- Desigo CC Workstation I

Building on Desigo CC Workstation I, you will learn how to build and modify system objects. A scenario-based skills assessment at the end of the course allows you to put into practice the knowledge you have learned.

Learning Outcomes:

- Modify intrinsic alarm settings
- Create notification class objects
- Modify an existing schedule
- Build a system schedule from scratch
- Modify an existing graphic
- Use the evaluation editor
- Understand how Desigo CC uses the address book
- Create new users
- Configure security settings
- Use the log viewer to locate historical data
- Modify a report
- Create new scopes
- Use scopes to control user access to system objects
- Monitor an active remote notification
- Configure contact and escalation rules

Desigo CC Workstation III

ST 9173

Target Audience: For advanced users of Desigo CC whose role is to perform configuration changes and troubleshoot using the Desigo CC Management Station.



Prerequisites: Desigo CC Workstation I and Desigo CC Workstation II

Students will learn to configure and modify applications within Desigo CC to increase efficiency in monitoring and controlling building systems. Topics include Flex Client, Desigo CC graphics, macros and user-defined custom views.

Learning Outcomes:

- Demonstrate automatic and nonautomatic symbol association
- Create point properties on a graphic
- Create a new template graphic for a specific TEC application
- Configure and use Macros
- Perform database maintenance at the field panel, project and SQL server levels
- Use Desigo CC as a troubleshooting tool to identify an abnormal condition
- Define a point for conditional trending
- Add a Macro to a Graphic
- Identify how Reactions differ from Macros
- Apply Custom Views related to divisions, roles, or equipment

Desigo CC Master System Administrator

ST 9293

Target Audience: For advanced users of Desigo CC whose role is to perform configuration changes and custom modifications using the Desigo CC Management Station.



Prerequisites: Desigo CC Workstation I, Desigo CC Workstation II, and Desigo CC Workstation III

As the capstone to their Desigo CC training, this advanced course prepares students to become Desigo CC Master System Administrators. Students will gain expert-level skills to configure and customize applications and functionalities within Desigo CC. Through hands-on instruction and real-world scenarios, students will enhance their ability to efficiently monitor and control complex building systems.

Learning Outcomes:

- Design a symbol for a custom data point (Point Information Block Group)
- Implement event handling rules
- Add a treatment form to assisted treatment
- Set an organization mode based on a reaction or a schedule
- Change a text group (state text) of an organization mode
- Create custom alarm tables to implement specific event lamps
- Assign a custom alarm table to an object model
- Build an operator task to stop trending BACnet objects
- Utilize operator tasks to switch BACnet input objects to "Out of Service"

Additional Desigo CC Training

Insight to Desigo CC Transition

ST 8004

Target Audience: For users with advanced experience with Insight who are responsible for the high-level oversight of setting up Desigo CC after the facility's transition from Insight to Desigo CC.



Prerequisites: Advanced experience with Insight

Learn the skills to take an active role in your transition from Insight to Desigo CC. We recommend this course to users who will be responsible for the transition from Insight to Desigo CC, as in this course you will learn best practices to ensure a smooth transition.

Learning Outcomes:

- Understand the Insight to Desigo CC transition workflow
- Configure system settings to manage users, security access and alarm behaviors
- Perform activities with Desigo CC applications to facilitate the transition and enhance the long-term operation of Desigo CC

Desigo CC Flex Client

ST 9411

Target Audience: For users who manage Flex Client in Desigo CC Management Station.



Prerequisites: Desigo CC Workstation I or equivalent

Learn to use Flex Client to manage operations and events in the Desigo CC Management Station.

Learning Outcomes:

- Describe the different clients used by Desigo CC
- Log on to Flex Client
- Customize the Flex Client window
- Command points
- Perform Event Treatment
- Review and modify existing Schedule
- View and create Trends and Reports

Desigo CC Advanced Trending

ST 9421

Target Audience: For users who need advanced knowledge on trending applications for Desigo CC Management Station.



Prerequisites: Desigo CC Workstation I or equivalent

Learn the multiple types of advanced trending that Desigo CC Management Station has the ability to create.

Learning Outcomes:

- Explain the Impact of Desigo CC System Objects in the Management Station
- Describe the functionality and purpose of trending and trend view definitions
- Add multiple trends to a Trend View to compare values and behaviors
- Utilize the Chart, Axis, Legend, and Series properties for a Trend View Definition
- Discuss the different types of trend methods: COV, Polled, and Triggered
- Create multiple Offline Trends using the Bulk Trend Editor
- Differentiate between BACnet Trending and APOGEE P2 Trending
- Understand the differences between Manual and Automatic Trend Data collection
- Use the Reaction Processor to enable or disable a trend
- Create a Conditional Trend based on specific triggers in the Management Station.

Desigo CC Advanced Graphics

ST 9431

Target Audience: For users who have the authority to modify Desigo CC Graphics.

Prerequisites: Desigo CC Workstation I or equivalent

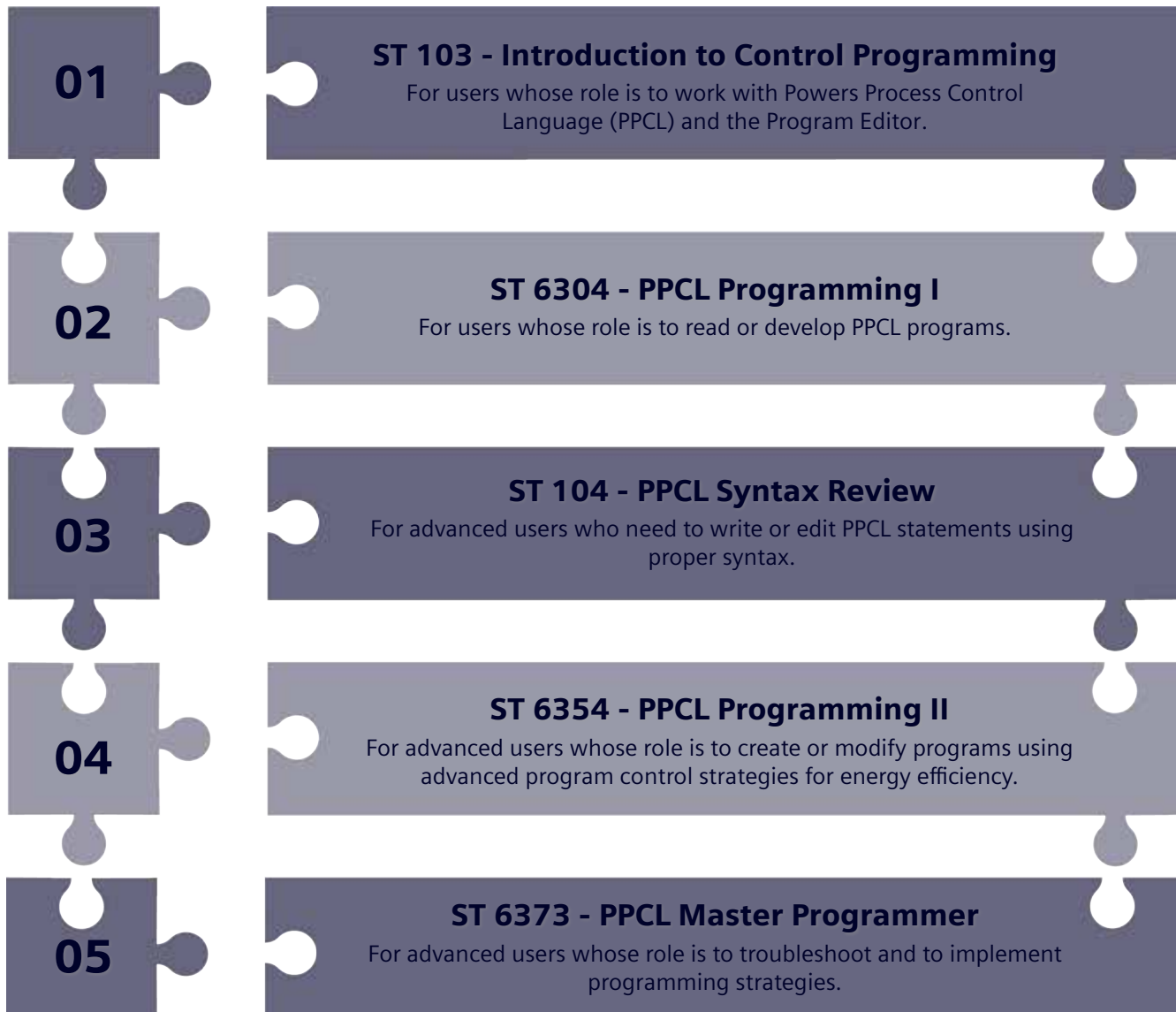
Learn to modify Desigo CC Graphics.

Learning Outcomes:

- Navigate Edit mode in the Desigo CC Graphics application to modify existing symbols or text using substitutions.
- Manage layers by adding, locking/unlocking, and pasting elements from one layer to another.
- Replace existing symbols with new ones and ensure they are correctly assigned to the relevant data points.
- Add reports, macros, trend view definitions onto graphics
- Identify symbols that have been grouped together and show the different ways to ungroup symbols for modification purposes.
- Explore the features and options available in the Evaluation Editor.
- Understand the significance of Navigational Targeting.
- Follow the necessary steps to modify a TEC or DXR Template.



PPCL Master Programmer Training Path



The PPCL Training Path provides a structured and comprehensive approach to learning Powers Process Control Language, guiding participants from foundational principles to advanced programming techniques. Each class builds sequentially on the previous one, culminating in a capstone scenario based training that simulates real-world applications to reinforce learning. To maximize success, it is strongly recommended that learners follow the courses in the prescribed order. Completion of all required classes is essential to earn the designation of Master Programmer, signifying a high level of proficiency and readiness to implement PPCL solutions independently. This training path is especially beneficial for facilities actively using PPCL, offering targeted instruction that is independent of any management station, making it versatile and applicable across various operational environments.

Introduction to Control Programming

ST 103

Target Audience: For users whose role is to work with Powers Process Control Language (PPCL) and the Program Editor.

This web-based training course covers the flow and functionality of creating, editing and saving a building's control program.

Topics:

- Program Editor
- Building Automation PPCL Programs
- Applications



PPCL Programming I

ST 6304

Target Audience: For users whose role is to read or develop PPCL programs.

Prerequisites: Introduction to Control Programming

Learn to develop and modify a PPCL program. A scenario-based skills assessment at the end of the course allows you to put into practice the knowledge you have learned.

Learning Outcomes:

- | | |
|---|--|
| <ul style="list-style-type: none"> • Create a decision table and flowchart for a sequence of operation • Use the five-step problem solving process to write PPCL programs • Use Datamate Advanced to access the Program Editor application | <ul style="list-style-type: none"> • Run PPCL reports using the Report Builder application • Use various navigational tools in Program Editor • Write a control LOOP to modulate equipment • Use a dead band for cycling equipment on and off • Write PPCL code to command FLN devices • Use Report Builder to test and troubleshoot programs • Use Desigo CC to test and evaluate PPCL programming |
|---|--|



PPCL Syntax Review

ST 104

Target Audience: For advanced users who need to write or edit PPCL statements using proper syntax.

Prerequisites: PPCL Programming I

This web-based course provides information on PPCL syntax and structure.

Learning Outcomes:

- | | |
|---|--|
| <ul style="list-style-type: none"> • Use decision tables • Identify and interpret flowchart symbols • Define Resident Points | <ul style="list-style-type: none"> • Understand use of local variables • Define Point Status Indicators and Logical Operators • Write PPCL statements for a variety of basic control strategies using proper syntax |
|---|--|



PPCL Programming II

ST 6354

Target Audience: For advanced users whose role is to create or modify programs using advanced program control strategies for energy efficiency.



Prerequisites: PPCL Programming I

Learn to build and optimize PPCL programs to improve building efficiency and incorporate staging and rotating of equipment. Students will use Datamate Advanced and Desigo CC to enter PPCL coding and evaluate the functionality of written PPCL code. A scenario-based skills assessment at the end of the course allows you to put into practice the knowledge you have learned.

Learning Outcomes:

- Edit programs to rotate equipment based on a schedule or totalization
- Determine the proper number of devices required based on a calculated demand
- Modulate a set point of a loop statement to improve system performance
- Fine tune loop gains to ensure efficient equipment performance
- Incorporate Adaptive Control into an existing program
- Implement temperature and enthalpy economizer damper control strategies
- Design a program to control a variable volume air handler
- Implement Optimization (SSTO) to a scheduled work area and its equipment

PPCL Master Programmer

ST 6373

Target Audience: For advanced users whose role is to troubleshoot and to implement programming strategies.



Prerequisites: PPCL Programming I and PPCL Programming II

This course provides complex PPCL programming scenarios for you to read, troubleshoot and correct. Upon successful completion of the training path, students will earn Master Programmer status.

Learning Outcomes:

- Troubleshoot and correct an air handler control strategy
- Implement control strategies based on a sequence of operations
- Identify ways to improve existing control strategies
- Develop and test a chiller and secondary equipment staging and rotating program
- Discuss multiple options for staging and rotating the equipment
 - Daily
 - Weekly
 - Totalization
 - Fail Safe

CFC Programming

CFC Programming Fundamentals

ST 5304

For users whose role is to control and monitor CFC building control systems



Prerequisites: None

Students will learn to create and edit Continuous Function Charts (CFC) using the ABT Site suite of tools. This includes mastering the web interface, engineering component, and programming component. Students will be guided through the basics of CFC Programming Chart setup and shown how to use different block types to create and modify your CFC programs. Additionally, students explore various methods of plant creation within the field programming editor.

Learning Outcomes:

- Restore and open projects using ABT Site
- Discuss the features of the ABT Site Simulator
- Identify BACnet objects in CFC
- Explain the key differences between configuration objects, calculated objects, and process values
- Add inputs and outputs to the Engineering component
- Integrate modules into the Engineering component
- Add a Desigo PXC 4/5/7 to your project
- Understand and discuss CFC programming basics
- Explain Plants and Libraries
- Use the field programming editor to create and modify CFC blocks
- Master the Top-Down programming process

Field Panel, FLN and DXR

Terminal Equipment Controller (TEC) Basics

ST 105

Target Audience: For users whose role is to monitor, interpret and command Terminal Equipment Controllers (TECs) subpoint data.



Prerequisites: None

This web-based training course provides basic information about TECs.

Topics:

- TEC Basics
- TEC Components
- TEC Subpoints
- Datamate Advanced Operations Tool
- TEC Internal Logic

PXC-Modular Field Panel and TX-I/O

ST 106

Target Audience: For users whose role is to work with the PXC-Modular Field Panel.



Prerequisites: None

This web-based training course explains the operation and features of the PXC-Modular Field Panel.

Topics:

- PXC Modular Series Product Overview
- APOGEE Automation Networking
- Principles of PXC Modular Operation
- TX-I/O Product Line

MBC-RBC Interactive Technical Manual

ST 111

Target Audience: For users whose role requires technical knowledge of the MBC and RBC field panels.



Prerequisites: None

The web-based training course is an interactive technical manual that provides detailed information on the MBC and RBC field panels for quick reference on the job.

Topics:

- Enclosure Box
- Internal Components
- Open Processor
- Power Modules
- Point Termination Modules

Field Panel and FLN Operations

ST 5504

Target Audience: For users whose role is to control and monitor building control systems from field panels and Terminal Equipment Controllers.



Prerequisites: Terminal Equipment Controller (TEC) Basics

Learn to monitor, control and configure building automation systems locally from field panels and FLN devices using Datamate Advanced. A scenario-based skills assessment at the end of the course allows you to put into practice the knowledge you have learned. This course covers proprietary and BACnet protocols.

Learning Outcomes:

- Describe different protocols for Automation Level Networks (ALN) and Field Level Networks (FLN)
- Communicate with ALN and FLN devices
- Perform database backup and restoration locally for ALN and FLN devices
- Create and command points at the ALN level
- Command subpoints at the FLN level
- Identify the three types of subpoints in a Terminal Equipment Controller
- Display FLN subpoint information at the Field Panel
- Identity and describe the function and interaction at the Field Panel

DXR and ABT Site Operations

ST 5254

Target Audience: For users whose role is to use the ABT Site software to communicate with DXR Controllers.



Prerequisites: None

Students will be provided with an in-depth introduction to the DXR controller and ABT software tools. Students will gain practical experience using the ABT Site Tool to perform common workflows involving DXR controllers. The course is designed to build foundational skills for configuring, loading, and managing DXRs within the APOGEE Automation System.

Learning Outcomes:

- Navigate and utilize the ABT Site Tool for standard job tasks
- Understand the role of DXR controllers within the APOGEE Automation System topology
- Manage ABT Site projects effectively
- Apply application templates and default values
- Configure and load DXR controllers
- Use the built-in web server for DXR startup procedures
- Employ ABT Go for Windows to load DXRs
- Access and interpret basic reports within ABT Site

Desigo Optic

Desigo Optic for Operators

ST 8203

Target Audience: For building operators, maintenance personnel or others who need skills for day-to-day facility operations with a Desigo Optic System.



Prerequisites: None

Learn the basic operations of a Desigo Optic system using a pre-installed workstation configured with live controllers. Hands on activities will be used to enhance proficiency.

Learning Outcomes:

- Navigate Graphics
- Command points and equipment
- Identify how tags are used in Desigo Optic
- View historical trend data
- Maintain licenses for Desigo Optic
- View bLine Programming
- Basic Troubleshooting of bLine programming
- View and acknowledge alarms
- View System Schedules
- Add or remove system users



Insight

Insight Basics

ST 102

Target Audience: For users who need an overview of the Insight Workstation.

Prerequisites: None

This web-based training course introduces common Insight applications.

Topics:

- Graphics
- Alarm Status
- Main Menu
- Report Viewer
- Panel Point Log Screen



Insight Scheduler

ST 107

Target Audience: For users whose role is to control buildings using the Insight Scheduler application.

Prerequisites: None

This web-based training course teaches the terms and concepts of the scheduler application including; how to schedule an event and zone, how to populate and schedule a replacement day and how to override an event schedule.

Topics:

- Scheduler Navigation
- Creating a Schedule
- Modifying a Schedule
- Overriding a Schedule
- Adding Trend Collections, Reports, Events and Zones to a Schedule



Insight Trending

ST 108

Target Audience: For users whose role is to place points into trend using the Insight Workstation.

Prerequisites: None

The web-based training course will demonstrate how to place a point into trend and examine trend data using multiple Insight Applications.

Topics:

- Trend Concepts
- Trend Types
- Trend Definitions
- Trend Collection Methods
- Trend Data Detail Report
- Scheduling Trend Reports





Remote Notification (RENO)

ST 110

Target Audience: For users whose role is to configure or operate the RENO feature within the Insight Workstation.

Prerequisites: None



The web-based training course addresses all aspects of the RENO feature in the Insight Workstation.

Topics:

- System Requirements and Settings
- Creating Contacts
- Escalation Lists
- Scheduling
- Point Setup
- Heartbeat

Critical Environment

Fume Hood and Laboratory Control Basics

ST 109

Target Audience: For users whose role is to control fume hoods and equipment in a laboratory environment.

Prerequisites: None

The web-based training course provides an overview of the basic components of a fume hood and the operations of the controllers.

Topics:

- Fume Hood Basics
- Fume Hood Controllers
- Operator Display Panel (ODP)
- Room Control
- Laboratory Controllers



Fume Hood and Laboratory Room Controls

ST 6704

Target Audience: For users whose role is to monitor laboratory controls.

Prerequisites: Fume Hood and Laboratory Control Basics

Learn to monitor and control laboratory spaces using the Datamate Advanced (DMA) Software Package.

Learning Outcomes:

- Describe the function of the Fume Hood Controller (FHC) and sequence of operation
- Interpret the readings on an Operator Display Panel
- Describe Lab and Pressurized Room Controller with Off-Board Air Velocity Sensor (LCM-OAVS)
- Monitor and command sub-points
- Describe the sequence of operation for a Room Pressurization Control
- Describe the sequence of operation of the Siemens Room Condition Monitor (SRCM) and Room Pressure Monitor
- Use Datamate Advanced to monitor / command subpoints
- Identify and explain Fume Hood Emergency and Fail-Safe Operations



DXR Fume Hood and Laboratory Controls

ST 5603

Target Audience: For Advanced users whose role is to use ABT Site to communicate with DXR Critical Environment Automation Stations.

Prerequisites: Fume Hood and Laboratory Control Basics and DXR and ABT Site Operations or equivalent

Learn to locate, monitor, and interpret Critical Environment DXR parameters. ABT Site Software will be used through hands-on guided exercises and discussions/demonstrations. This class includes exercises using a fume hood in a laboratory control simulator.

Learning Outcomes:

- Identify standard lab room network configurations
- Locate and interpret DXR Application Parameters and download application configuration
- Perform a data point test and generate a data point commissioning and configuration report(s)
- Describe Lab Room Control Properties
- Explain fume hood Face Velocity, Face Area, and Exhaust Flow



Security



SiPass

SiPass Operations

ST 4202 or ST 4201

Target Audience: For users whose role is to monitor a SiPass Integrated system.

Prerequisites: None



Learn to search, edit, and create cardholder records, as well as monitor and search audit trails. Time schedules and calendars are reviewed and monitored. Handling alarms is covered to ensure operators can appropriately respond to access emergencies and events. Students will also learn predefined and custom reports specifically targeting building and activities.

Learning Outcomes:

- Configure the Operation and Configuration Client
- View, edit and search cardholder records
- Customize the Audit Trail report
- Setup the SiPass alarm system
- Apply and modify all levels of access privileges
- Use Time Schedules and Holidays to automatically allow and deny access
- Administer SiPass Integrated Operator Accounts and Operator Groups
- Use Reporting to find historical information
- Perform automatic and manual system backups
- Create simple programming statements using Event Tasks
- Use Offline Access mode to enhance system reliability



SiPass Administration

ST 4213

Target Audience: For SiPass Integrated Operators, Administrators, and Specialists responsible for the administration and maintenance of the SiPass system

Prerequisites: None



Students will learn to manage cardholder records and permissions, and work with card templates and licensing. They will configure Point Groups and load physical access control devices. The class covers applying access control strategies, such as Time Schedules, and managing SiPass users. Handling alarms, generating reports, and utilizing Host Event Tasks are also included. Additionally, students will explore advanced security applications.

Learning Outcomes:

- Create Point Groups
- Initialize ACCs
- Develop and use Site Plans
- Create and apply Card Templates
- Configure SiPass Alarms
- Generate customized reports and audit trails
- Add new operator accounts and set Operator Group Permissions
- Configure and implement advanced applications such as Venue Booking, Anti-Passback, Host Verification, Dual Custody, and Daily Code

Siveillance

Siveillance Video Operations

ST 4211

Target Audience: For day-to-day Operators with Siveillance Video as their VMS system.



Prerequisites: None

Learn Siveillance basic knowledge on common Operator applications. Students interact with an online instructor through demonstrations and then work independently through lab exercises by remotely connecting to Training PCs that are connected to live equipment. This online training is comprised of two 6-hour sessions held on two consecutive days.

Learning Outcomes:

- Monitor live video, bookmark video clips, watch and search recorded video, lock video and export video
- Create views containing various video elements
- Work with Maps and Camera Navigator
- Handle Alarms
- Log into and work with the Mobile Client



Siveillance Video Administration

ST 4223

Target Audience: Security Administrator of facilities with Siveillance Video as their VMS security system.



Prerequisites: None

Learn Siveillance Video administrative tasks for the maintenance of the Video security system and management of operator security. Students interact with an online instructor through demonstrations and then work independently through lab exercises by remotely connecting to Training PCs that are connected to live equipment. This online training is comprised of three 6-hour sessions plus one morning session held on four consecutive days.

Learning Outcomes:

- Import and configure cameras
- Create and apply storage strategies
- Create rules, time and notification profiles, and user-defined events
- Build views, add overlay buttons, & populate user's view groups
- Modify maps and Smart Maps
- Create users, roles, and assign security rights
- Configure the mobile service, assign sign-in rights, & use web client
- Perform system maintenance tasks

Fire Safety



Desigo CC Fire Safety Management Station

Introduction to Desigo CC Fire Safety Management Station

FIS 411

Target Audience: For users whose role requires an understanding of the Desigo CC Fire Safety Management Station.

Prerequisites: None



This web-based course introduces the Desigo CC Fire Safety Management Station. Students will learn the features of the management station and the benefits of using Desigo CC to control a Desigo or Desigo Fire Safety Modular system.

Topics:

- Key Features of Desigo CC
- Characteristics of the Management Station
- Desigo CC Workflow

Desigo CC Fire Safety Management Station

FIS 4114

Target Audience: For users whose role is to engineer, install or maintain a Desigo CC Management Station.

Prerequisites: Introduction to Desigo CC Fire Safety Management Station



Learn to monitor and control a Desigo or Desigo Fire Safety Modular system using the Desigo CC Fire Safety Management Station.

Learning Outcomes:

- Identify Desigo CC system types
- Walk through the steps for installing DCC software.
- Import a Desigo Compact panel database into the DCC server.
- Interact with the user interface to treat system events using Fast and Investigative Treatment.
- Use a graphic template to import and modify images and floor plans.
- Design Desigo CC Scopes, Security Groups and Users Accounts.
- Create custom Macros and apply them to graphics.
- Back up the system and history database.
- Modify reports and apply them to system graphics
- Licensing requirements and activation processes.



Desigo Fire Safety Modular

01

FIS 100 - Fire Detection and Alarm System Basics

For new fire safety technicians and those wish to gain a greater understanding of the basics of fire detection and alarm systems.

02

FIS 251 - Desigo Fire Safety Modular and Desigo Fire Safety Modular Voice Fire Panels and Components

For users whose role requires an understanding of the Desigo Fire Safety Modular and the Desigo Fire Safety Modular Voice fire panels.

03

FIS 2314R - Desigo Fire Safety Modular - Installation, Operation and Maintenance

For users whose role is to engineer, install, test or maintain a Desigo Fire Safety Modular System.

04

FIS 2344 - ZEUS - Desigo Modular Programming Tool

For users whose role is to administer or program a Desigo Fire Safety Modular system.

05

FIS 2324R - Desigo Fire Safety Modular Voice - Installation, Operation and Maintenance

For users whose role is to engineer, install, test, program or maintain a Desigo Fire Safety Modular Voice system.

Fire Detection and Alarm System Basics

FIS 100

Target Audience: For new fire safety technicians and those wish to gain a greater understanding of the basics of fire detection and alarm systems.



Prerequisites: None

This web-based training explains the basic concepts of fire detection and alarm systems.

Topics:

- System Basics
- System Inputs
- System Outputs
- System Configurations
- Auxiliary Equipment and Systems

Desigo Fire Safety Modular and Desigo Fire Safety Modular Voice Fire Panels and Components

FIS 251

Target Audience: For users whose role requires an understanding of the Desigo Fire Safety Modular and the Desigo Fire Safety Modular Voice fire panels.



Prerequisites: None

This web-based training introduces the field devices and components of the Desigo Fire Safety Modular and Desigo Fire Safety Modular Voice fire safety systems.

Topics:

- Fire Alarm System Selection
- Desigo Fire Safety Modular Fire Alarm System Operations
- Desigo Fire Safety Modular Field Devices
- Desigo Fire Safety Modular Core System Components
- Desigo Fire Safety Modular System Components and Options

Desigo Fire Safety Modular - Installation, Operation and Maintenance

FIS 2314R

Target Audience: For users whose role is to engineer, install, test or maintain a Desigo Fire Safety Modular System.



Prerequisites: Fire Detection and Alarm System Basics and Desigo Fire Safety Modular and Desigo Fire Safety Modular Voice Fire Panels and Components

Learn to install, operate, maintain, test, troubleshoot and wire a Desigo Fire Safety Modular fire alarm system.

Learning Outcomes:

- Update the panel and module firmware including the MLC
- Create and install maps and icons
- Silence and reset the panel
- Install field devices
- Add devices to the database using ZEUS
- View and change detector sensitivities
- Enable and disable points
- Test, inspect and troubleshoot a Desigo Fire Safety Modular System

ZEUS - Desigo Fire Safety Modular Programming Tool

FIS 2344

Target Audience: For users whose role is to administer or program a Desigo Fire Safety Modular system.

Prerequisites: Desigo Fire Safety Modular - Installation, Operation and Maintenance



Students learn to design and configure Desigo Fire Safety Modular fire alarm systems using the ZEUS software, with full coverage of fire-system logic, inputs, and outputs (formerly XLS).

Learning Outcomes:

- Review the Zeus Tool layouts for physical, geographic, control, and function view
- Discuss programming basics, including the proper use of an OR, AND, NOT, and ANY Ns functions
- Discuss programming to include the proper use of D-Latch, Toggling functions, and Start Timers
- Program Delayed Start Timers, Restart Timers, and Delayed Restart Timers
- Use the geographic view to group input devices

Desigo Fire Safety Modular Voice - Installation, Operation and Maintenance

FIS 2324R

Target Audience: For users whose role is to engineer, install, test, program or maintain a Desigo Fire Safety Modular Voice system.

Prerequisites: Desigo Fire Safety Modular - Installation, Operation and Maintenance



Knowledge of the Desigo ZEUS software is highly recommended.

Learn to install, operate, maintain and program the Desigo Fire Safety Modular Voice system.

Learning Outcomes:

- Understand the basic principles of a digital voice system
- Understand the concept of an 8-channel operation
- Design a voice system with remote enclosures
- Navigate through the Desigo ZEUS programming tool
- Program and network a remote microphone in REMBOX-4 enclosure with access control
- Wire and program a voice panel for Distributed, Bulk and Single Channel amplification
- Operate a Desigo Fire Safety Modular Voice panel in emergency and maintenance situations

Desigo Fire Safety Modular Voice Global and Networking

FIS 2373

Target Audience: For users who design Desigo Modular networks.

Prerequisites: Desigo Fire Safety Modular - Installation, Operation and Maintenance



Learn to design a Desigo Modular Network configured utilizing Hnet, Dnet, Xnet, and Global Ring.

Learning Outcomes:

- Build and specify the following types of Desigo Modular networked systems:
- Engineer Hnet, non-voice systems based on customer specifications
- Design Xnet non-voice networks based on customer specifications
- Hnet Voice system design single node voice with voice transponders
- Xnet Voice/Non-voice system design
- Global voice ring system design

Desigo Life Safety

01

FIS 900 - Desigo Life Safety UL Overview

For users whose role requires an understanding of the Desigo Life Safety UL system.

02

FIS 9104R - Desigo Life Safety UL 50/250/500 PT

Target Audience: For users whose role is to engineer, install or maintain a Desigo Life Safety UL 50/250/500-point panel system.

03

FIS 9142 - Desigo Life Safety 250/500 PT Programming

For users whose role is to program a Desigo Life Safety system.

04

FIS 9124R - Desigo Life Safety UL Voice

For users whose role is to engineer, install, maintain or program a Desigo Life Safety Voice system.

Desigo Life Safety UL System Overview

FIS 900

Target Audience: For users whose role requires an understanding of the Desigo Life Safety UL system.

Prerequisites: None



This course is an introduction to the Desigo Life Safety UL system. Students will learn about the Desigo Life Safety UL portfolio and the devices available.

Topics:

- System Overview
- FCnet Stations
- FDnet Peripherals
- Tools
- Documentation Available

Desigo Life Safety UL 50/250/500 PT

FIS 9104R

Target Audience: For users whose role is to engineer, install or maintain a Desigo Life Safety UL 50/250/500-point panel system.

Prerequisites: None



Learn to install, operate, maintain, test, troubleshoot and wire a Desigo Life Safety system using a 50/250/500-point panel.

Learning Outcomes:

- Identify key words and phrases used on conventional and addressable fire panels.
- State the core components of a fire panel and the three basic wiring styles for fire panels.
- Recognize the required and optional modules for the FC2025/FC2050 panels.
- Demonstrate the operation of the Desigo Compact Operating Unit.
- Apply the LRC concept.
- Illustrate how System Trees are used to build a fire safety system at a customer site.
- Use the inherit text and the create and assign features in the Desigo Compact Engineering Tool.
- Identify the differences and benefits of C, S, H, and X series detectors and detector bases/housing.
- Use DPU to address addressable devices.
- Describe the different tests that can be performed at the Operating Unit and autoconfiguration.
- Demonstrate the ability to check panel firmware, perform test functions from the panel, view sensitivity reports, and transfer panel databases.

Desigo Life Safety UL 250/500 PT Programming

FIS 9142

Target Audience: For users whose role is to program a Desigo Life Safety system.

Prerequisites: Desigo Life Safety UL 50/250/500 PT



Learn to program a Desigo Compact 250/500 fire alarm panels. This class is delivered online by an instructor in four sessions on four consecutive days.

Learning Outcomes:

- Identify the purpose of the Lifecycle Responsibility Concept
- Download and license the Desigo Compact Engineering Tool
- Describe the Engineering Tool layout to include the Hardware Tree, Detection Tree, and the Control Tree
- Discuss programming basics, including the proper use of an OR, AND, NOT, and ANY Ns functions
- Use the Boolean programming formulas to build control functions, including timer starts and delayed timers
- Group Zones in control functions
- Use Prioritized and Universal NAC Controls for various outputs
- Use Alarm Verification Concept (AVC)



Desigo Life Safety UL Voice

FIS 9124R

Target Audience: For users whose role is to engineer, install, maintain or program a Desigo Life Safety Voice system.

Prerequisites: Desigo Life Safety UL 50/250/500 PT



Learn to install, operate, maintain, test, troubleshoot and wire a Desigo Life Safety Voice system using a 250/500-point panel. This class is delivered online by an instructor in four sessions on four consecutive days.

Learning Outcomes:

- Identify the hardware components required to construct a Desigo Voice system
- Design Voice programs using the Desigo Engineering Tool
- Commission and test a stand-alone Desigo Voice system
- Operate a voice-command station
- Build, program, and commission a Desigo Voice network including a remote voice command station

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