

CONTROLLEDGE PLC/RTU ADVANCED PROTOCOL CONFIGURATION - I

| Honeywell PMC Academy

COURSE OVERVIEW

This course helps to master the configuration and programming of industrial communication protocols including DNP3, Modbus TCP/Serial, and custom user-defined protocols.

You will learn to set up DNP3 Masters/Outstations, Modbus Masters/Slaves, and handle protocol-specific function blocks, data types, and error codes.

Gain hands-on experience with CONFIG_INFO, endian modes, and custom protocol creation using Hex and ASCII formats for real-world industrial applications.

By the end of this course, you'll be equipped to configure and troubleshoot DNP3, Modbus, and user-defined protocols with confidence. You'll understand protocol-specific function blocks, data structures, and error handling for real-world industrial applications.

COURSE DURATION

- 1.5 Days

TARGET AUDIENCE

Process Engineers

HANDS-ON TRAINING

Hands-on Training will be arranged during the session.

CERTIFICATE

Participants certification will be issued at the end of the course.

KEY LEARNING OBJECTIVES

Participants will learn to:

- DNP3 Protocol
 - ✓ Configuring a DNP3 Outstation & Master
 - ✓ Description of DNP3 Master Function Block
 - DNP3_RD & DNP3_WR
 - Description of CONFIG_INFO
 - Description of Input and Output Data Type
 - DNP3 Master Protocol Error Codes
- Modbus Protocol
 - ✓ Configuring & Programming a Modbus TCP Master
 - ✓ Configuring & Programming a Modbus Serial Master
 - ✓ Configuring a Modbus Slave
 - ✓ Configuring an Enron Modbus Slave
 - ✓ Description of Modbus Function Block
 - Read and Write Single / Multiple Coils
 - Read Single/ Multiple Discrete Input
 - Read Single/ Multiple Input Register
 - Read Single/ Multiple Holding Register
 - Write Multiple Holding Registers
 - Description of CONFIG_INFO
 - Input and Output Data Type
 - Modbus Protocol Error Codes
 - Endian Mode
 - ✓ User Defined Hex, ASCII
 - Configuring User Defined Protocol
 - Creating a data type for User Defined Protocol
 - Configuring User Defined Function Block

For more information
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