

GX Works3 Programming

OEM: Mitsubishi Electric

COURSE DESCRIPTION

This course is intended to introduce and take an in-depth look at the features and programming languages of the GX Works3 software. Programming topics include ladder logic, FBD/LD, and ST using label-based programming.

AUDIENCE PROFILE

- Students responsible for programming and troubleshooting in the GX Works3 software

PREREQUISITES

- None, but some experience with programmable controllers is helpful

The following eLearning courses may be beneficial:

- <https://www.mitsubishielectric.com/fa/service-support/global/e-learning/eng.html>
- GX Works3 (Ladder)
- PLC Programming Basic (Ladder)

Course Hardware

- This course may be conducted on the iQ-R Series or iQ-F (FX5) Series hardware

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- This section doesn't contain any content.

COURSE OUTLINE

Module 1

- iQ-R Series Hardware
- iQ-F Series Hardware
- GX Works3 Introduction
- Ladder Logic
- Ladder Program Documentation

- Connect and Transfer
- Simulation
- Monitoring Tools
- Labels
- Editing Tools
- Multiple Programs
- Structured Text
- FBD/LD
- Timers
- IEC Timers
- Counters
- IEC Counters
- Diagnostics
- Module Configuration
- User-Defined Libraries
- Parameter Setting
- System Addressing
- Intelligent Modules
- Special Addresses