



for a greener tomorrow



GX Works3 Programming

SOFTWARE TRAINING

Course Description

GX Works3 Programming	
Course Code	TRSFT108P
Course	4.0 Credits
Length	4 Days
Prerequisite	None

INTRODUCTION

This course is intended to introduce and take an in-depth look at the features and programming languages of the GX Works3 software. It provides full description of Ladder, ST, SFC, and FB/LD languages utilizing label based programming.

WHO SHOULD ATTEND?

Students responsible for creating programs in the structured programming languages: ST, SFC, structured ladder/FBD, and ladder using device and label based programming.

COURSE HARDWARE

iQ-R, FX5

PREREQUISITES EXPLAINED

Students should have some PLC programming experience. Some topics covered are advanced in nature.

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RECOMMENDED E-LEARNING

[GX Works3 \(Ladder\)](#)

COURSE OUTLINE

- LESSON 1 GX Works3 Compatible Hardware
- LESSON 2 GX Works3 Introduction
- LESSON 3 e-Manual Viewer (Help)
- LESSON 4 Creating a Project
- LESSON 5 Labels
- LESSON 6 Online Operations
- LESSON 7 Structured Text (ST)
- LESSON 8 Function Block Diagram (FBD/LD)
- LESSON 9 Functions and Function Blocks (FB)
- LESSON 10 Intro to Sequential Function Chart (SFC)
- LESSON 11 Parameters
- LESSON 12 System Addressing
- LESSON 13 Timers and Counters
- LESSON 14 Multiple Programs
- LESSON 15 Intelligent Modules
- LESSON 16 Special Addresses
- LESSON 17 GX Works3 Utilities

MITSUBISHI CERTIFICATION

This class is eligible for Mitsubishi Certification. Simply notify your instructor that you wish to pursue certification.

