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MITSUBISHI ELECTRIC
Changes for the Better

Safety Systems iQ-R
PLC TRAINING

Course Description

Safety Systems iQ-R	
Course Code	TRPLC306P
Length	2 Days
Prerequisite	GX Works3 Programming

INTRODUCTION
This course introduces the iQ-R Safety Controller and its associated CC-Link IE Field Safety network. This class will teach programming the R08SFCPU safety processor with GX Works3 software. The student will learn the integration of both safety and standard programming available with the processors. Executing and accessing remote I/O connectivity through network modules. Utilize the shared label list for interaction between programming types available and the use safety rated function blocks. by the completion of the course the student will be familiar with the creation and interaction of working programs with available hardware.

WHO SHOULD ATTEND?
Interested parties looking to integrate safety PLC and hardware to their process lines.

COURSE HARDWARE
iQ-R Safety Series PLCs: R6SFM, RJ71GF11-T2

PREREQUISITES EXPLAINED
Networking is introduced but attendance in a networking course would be recommended, not requires.

COURSE OUTLINE
LESSON 1	Safety Concepts
LESSON 2	iQ-R Safety Controller
LESSON 3	System Configuration
LESSON 4	iQ-R CPU Programming
LESSON 5	iQ-R CPU Programming for Safety IO
LESSON 6	iQ-R CPU Programming for Non-Safety IO
LESSON 7	Multiple Programs (Shared)
LESSON 8	Safety Function Blocks

MITSUBISHI ELECTRIC AUTOMATION, INC.
500 Corporate Woods Parkway, Vernon Hills, IL 60061
847.478.2100 • Email: Training@meau.com
us.MitsubishiElectric.com/fa/en

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