Programming III for Material Handling
IRC5 – 4½ days – Course Code: US427
S4/S4C/S4C+ – 4½ days – Course Code: US427

The goal of this course is to provide instruction in high level programming features and techniques. Designed for students who have successfully completed the IRC5 Programming II for Material Handling (US425) or S4 Programming II for Material Handling (US313) class, and who need a greater depth of knowledge. This course does not provide a review of any previous programming class. This class starts where the S4/IRC5 Programming II for Material Handling class left off.

Topics include

– Multitasking programming techniques
– Creating instructions, functions and data
– Serial communication capabilities
– Load ID and collision detection
– Advanced program displacement
– World zones
– Uploading and downloading of programs
– Using OPC
– User Authorization System

Course objectives

After successfully completing the course, the participant should be able to:

– Create background tasks
– Create custom instruction
– Create custom functions
– Create custom data types
– Transfer information via serial channel
– Setup load ID and collision detection
– Manipulate data values
– Program robot to load and unload programs
– Defines zones for monitoring
– Setup and basic use of OPC
– Setup user levels and grants

Student profile

This training is targeted for system programmers or engineers with advanced programming skills.

Prerequisites

– IRC5 Programming II for Material Handling (US425) or S4 Programming II for Material Handling (US313)

Duration

Course duration is 4.5 days.

Customer Service – Robotics

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