

US420 IRC5 Robot Programming

The course goal is to teach students how to operate and program the robot using the teach pendant.

Topics include

- Safety precautions used while programming and program execution
- Operating controls and indicators on the robot controller
- Positioning the robot by use of joystick control
- Program creation procedures
- Program modification techniques

Course objectives

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

- Practice all areas of safety as they pertain to the robot
- Properly startup, operate, and shut down the robot
- Properly identify and recover from robot errors
- Perform program storage and retrieval
- Manual and program control of inputs and outputs
- Create Tool Center Point data
- Edit programmed positions
- Create a program with subroutine structure
- Perform editing techniques
- Program instructions, such as, output control, decision making, operator dialog, and clock
- Create data with proper names
- Use Module programming techniques
- Define Work Objects

Student profile

This course is intended for personnel responsible for starting and operating the robot, creating programs and editing programs.



- Engineers
- Service Personnel
- Supervisory Personnel
- System Integrators

Prerequisites

- No formal requirements
- Understanding of Windows or computer programming is helpful

Duration

Course duration is 4.5 days.

Customer Service – Robotics

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