The course goal is to teach students how to operate and program the robot using the paint teach pendant and RobotStudio software (IRC5P only).

**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
- Identify and use the controls necessary for robot operation
- Run robot system in manual or automatic mode
- Interpret and respond to error codes
- Load, create, save, delete, check and edit basic programs using the teach pendant, Robot Studio, ShopFloor Editor and Robview5 software
- Verify robot synchronization using the calibration method
- Use input and output instructions in a basic program
- Use movement instructions in a basic program
- Learn proper use of routine instructions
- Add and use PaintWare functionality in to a program
- Teach object tracking with a moving conveyor

**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**
The course duration is 4.5 days.

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