

US341 IRC5P Paint Programming

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



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 movement instructions in a basic program
- Use input and output 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.

Customer Service – Robotics

1250 Brown Road

Auburn Hills, MI 48326, USA

Tel: 1 800 HELP 365 (1 800 435 7365) option 1, option 4

Outside USA/Canada: +1 440 585 7804

Fax: +1 860.298.3856

E-mail: abbuniversity@us.abb.com

www.abb.us/abbuniversity

© 2010 ABB Inc. 3BUS095259 SM2010-027

ABB reserves the right to change specifications without notice.