

US340 S4 Paint 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
- 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 or QuickTeach 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
- Use registers and math instructions
- Utilize teach pendant communication instructions
- Add and use PaintWare functionality into a program
- Teach line tracking with a moving conveyor

Student profile

This course is intended for students that are required to start and operate the robot, create programs, and edit programs.

- Engineers
- Supervisory personnel
- Service personnel
- System integrators



Prerequisites

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

Duration

Course duration: 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

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