

US330 S4 Programming with Arc Ware

The course is designed to train the student to write a program from “the ground up” using the ABB Rapid programming language. The course teaches the student to use the ArcWare commands to create effective weld routines.



Topics Include

- Cell Safety
- Understanding of the controls and displays on the teach pendant
- Use of the joystick and the various motion types to correctly position the robot
- Program structure
- Use of the ABB Rapid language to create control routines
- Creation and integration of welding routines
- Creation and use of weld data
- Troubleshooting errors in the program structure and control instructions
- Use of the parameters to create I/O definitions

Course objectives

Upon completion of this class, the student should be able to:

- Write a program using the ABB Rapid language
- Create welded part routines
- Create and select the proper weld data
- Integrate welded part routines into the program
- Store and retrieve programs and parameters to and from disk

Student profile

- Engineers
- System Integrators
- Robot welding technicians

Prerequisites

- GMAW training or similar welding experience
- Good computer skills and understanding of file management techniques

Duration

The course duration is 4.5 days.

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