

US399

RobotStudio I

The goal of this course is to teach the students how to use the ABB RobotStudio 5 software for use with IRC5 controllers. This class will cover everything that the general user would need to know.

Topics include:

- Basic controls
- Building a station
- Robot moves
- Robot programs
- Local origin
- Tools
- Task Frames
- Auto Path Feature

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

- Start and utilize RobotStudio 5 Software
- Create a simulation station
- Create and attach tooling to robot simulation
- Create robot motion
- Create robot programs
- Create basic geometry modeling
- Import external graphic files
- Use the I/O simulator
- Create work objects
- Set local origin Set task frames
- Use Auto Path feature
- Use Signal Analyzer
- Record simulations
- Edit RAPID code using RAPID editor
- Watch data values while simulation executes
- Set-up and use Event Manager
- Create simulation of real robot

Student profile: This course is intended for

- Engineering personnel that are interested in computer simulation software.
- Those responsible for simulating robot layout and reach capabilities and robot program simulation.
- Any one responsible for creating new part programs for existing robots with computer experience.

Prerequisites:

- IRC5 Programming I for Material Handling (US420)
- IRC5 Accelerated Programming for Material Handling (Integrators Only) (US426)
- IRC5 Programming I for Arc Welding (US490)
- IRC5 Programming I for Spot Welding (US491)
- The attendee must have a good, working knowledge of Windows

Duration: 4½ days