

INTERMEDIATE ROBOTIC PROGRAMMING COURSE

Held in Cleveland, OH

The course covers intermediate tasks and procedures that an operator, technician, engineer or programmer needs to take full advantage of the multiple capabilities of a Lincoln Electric Robotic Welding system with a FANUC® robot arm.

Course Overview:

Students successfully completing this course will be able to:

- Use and understand JPOS and LPOS commands
- Teach a 6 point TCP for the robot
- Use PR's to make circles
- Use PR's for math commands
- Set up and utilize the Teach Pendant Hot Keys
- Touch Sensing
- Use Through the Arc Seam Tracking TAST
- Full controller memory backup and restore
- Understand the usage of Skip/label commands
- Setup the Reference Position Utility to establish a safe position for the robot
- Change weld procedures in the middle of a weld and monitor weld command and feedback signals
- Ramping features while welding
- Use logic instructions such as Registers, Position Registers, Jump-label, If, Call, and Offset to simplify programming parts with multiple, similar weld joints
- Set up and use Checkpoint®
- Power Wave® manager

Course Length:

This course will be a 5 day training class. Class size is limited to 15 people.

Prerequisites:

The person attending this course must have completed the Lincoln Electric Automation Basic Robotic Training Course and be proficient in basic programming techniques.