

FANUC Certified Education

Robotics Tool Handling Operations & Programming Course

This course is intended for the person who operates or may be required to perform maintenance on a System R-J or higher controller with a standard application software package. It covers the tasks and procedures needed to reach the course goals with both classroom instruction and hands-on training.

Timeline for Completion: Minimum number of hours to complete is 52 hours. This course contains approximately 20 hours of eLearning (online) and 32 hours of instructor led classroom and hands on.

Completion Goal: Upon successful completion of this course, the student will be able to perform the following:

- Power up and jog the robot
- Recover from common program and robot faults
- Execute production operations
- Create, modify and execute a material handling program
- Create and execute MACROS
- Monitor, force, and simulate input and output signals
- Backup and restore individual programs and files



COURSE OVERVIEW

Safety	Copying and Editing Programs
Pre-Test	Branching
Robot System	Instructions-Position Registers
Teach Pendant	Input & Output
Power Up, Jogging Initial Setup	MACROS
Error and Fault Recovery	Program Adjust
Frames	Program & File Manipulation
Motion Programs	Post-Test
Motion Instructions	Mastering



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