



SMCSI – FANUC Robotics Tool Handling Operations & Programming Course

Southern Michigan
CENTER FOR SCIENCE AND INDUSTRY
550 E. Main St., Hudson, MI 49247 – 517-448-1413

SMCSI's FANUC Robotics Tool Handling Operations & Programming Course curriculum 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 40 hours. This course contains approximately 8 hours of eLearning (online) and 32 hours instructor-led classroom and hands on.

Skills gained include:

- Operate the teach pendant
- Navigate the controller software
- Power up the robot
- Jog the robot in different coordinate systems
- Recover from common program and robot faults
- Execute production operations
- Perform frame setup
- Create, modify, and execute a material handling program
- Understand programming instructions
- Understand positional information & motion
- Create, set up, and execute MACROs
- Configure, monitor, force & simulate input & output signals
- Perform standard backup, and restore programs and files



Industry recognized certification: FANUC Robotics Tool Handling & Programming Course Credential

SMCSI builds the skills of your maintenance team through real practice and experienced guidance. We use state of the art simulators to provide real-world maintenance skills training and hands-on practice during class time. Trainees must be able to complete the hands-on objective before passing.

Training packages can be customized for your business.

SMCSI has access to hundreds of additional courses available to suit your training needs

Call today to discuss how we can customize a class specifically for you – 517-448-1413