The course covers the basics of industrial robotics, handling tool operation and programming. The tasks that an operator, technician, engineer or programmer who needs to setup, program the robot and/or troubleshoot programs on a FANUC Robotics Handling Tool Software Package.

**Course Objectives:** Students successfully completing this course will be able to:

- Understand the basics of Industrial Robotics including the components and end effectors
- Able to operate the robot
- Teach Frames for different applications
- 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

The course consists of lectures, chapter reviews, demonstrations and a series of lab exercises designed to reinforce what the student has learned. In addition to lab exercises, a pre-test and a post-test are used to measure mastery of objectives. Recommended safety procedures are integrated into all training exercises.

**Audience:** This course is intended for the person who must set up and program a robot with a HandlingTool application software package.

*WORK SMART. GROW SMART.*

For more information and/or to register, please contact us at (915) 747-TMAC (8622) or Email us at tmac@utep.edu