



Robot Operations and Programming

TRAINING - 40 hrs



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