

Genesis Systems offers a variety of classes at our Davenport, Iowa headquarters. Whether you need safety, programming or maintenance classes, Genesis offers robot training from experienced instructors to help robot operators keep up to date with the latest best practices. With small, personalized classes, all Genesis training courses aim for 20% class time and 80% hands on time with robotic work cells, with a 2 to 1 student to robot ratio, so that all students get the knowledge they need to make an impact on your bottom line.

Course Objectives

- To instruct students in maintenance and preventative maintenance of a Genesis system
- The students will have the ability to master the robot (zero the axis of the robot) and to maintain utility programs.

Main Topics

- Safety precautions while performing maintenance with a Genesis system and FANUC robot
- Teach pendant menus and displays for entry of welding routines, program commands and weld data
- Controller – power supply, main CPU, Aux control board, amplifier I/O board operation panel
- Robot – cable diagram interconnections, encoders, motors, break release, mastering SPC reset, master count, TCP set-up
- Welding equipment – power supply functions, wire drive, I/O, trouble shooting
- Save programs – format disk/memory card, system variables and applications

Course Duration

- (3.5) days, Monday through Wednesday, 8:00 A.M. to 4:00 P.M. and Thursday 8:00 A.M. to Noon

Student Profile

- Intended for participants who must perform electrical and mechanical maintenance and troubleshooting as well as performing preventative maintenance

Prerequisites and Recommendations

- Students should have previous training with electrical/electronics and previous training or experience in related field involving mechanical disassembly, repair and assembly

