

G-920

GE Fanuc Series 90 Family Programmable Controllers/Level Two Advanced Maintenance, Troubleshooting & Genius I/O

Course Description	<p>This 32-hour training program provides a thorough hands-on familiarization with the advanced control and communications capabilities of the GE Fanuc Series 90-70 and 90-30 families of programmable controllers. Application exercises are used throughout the course to create a hands-on learning environment.</p>
Topical Outline	<ul style="list-style-type: none">▪ Review of Series 90-70 and 90-30 Hardware▪ Memory Organization and Structure▪ Programming Terminal Software Operations▪ Review of Relay, Timer/Counter, Conversion, Arithmetic and Comparison Instructions▪ Data Move Functions▪ Data Table Functions▪ Bit Operation Functions▪ I/O Interrupt Configuration and Operation▪ Service Request Function▪ Advanced Troubleshooting▪ Overview of PID Control
Prerequisites	<p>Students should have successfully completed Intellect Controls Group course G-910 (GE Fanuc Series 90 Family/Level One) or have knowledge equivalent to the course description.</p> <p>THIS IS NOT AN ENTRY LEVEL COURSE.</p>
Course Length	32 hours
CEU's	3.0
Objectives	<p>Persons successfully competing this course will be able to:</p> <ul style="list-style-type: none">▪ Write control programs using all instruction groups (except PID).▪ Effectively use an IBM compatible computer to program, edit and troubleshoot control programs using all instruction groups.▪ Use the advanced diagnostic capabilities of 90-70 and 90-30 programmable controllers to aid in system troubleshooting.▪ Utilize the Remote I/O and Genius Bus Controller communications capabilities of the 90-70 and 90-30 programmable controllers.