

## **Training Services**

**Course Number: 44A728312-570**

### **Series 90™-70 Programming Part 1 /w Genius Overview**

<b>Course Length:</b>	4.5 days, Monday – Friday	<b>Tuition:</b>	\$1600
<b>Standard Course Hours:</b>	8:30 AM – 4:30 PM (12:00 Noon on Friday)	<b>Max. Enrollment:</b>	10 Students

The **90-70 Part 1** Course provides the opportunity for an individual that is or will be involved in the programming and to some degree troubleshooting of a 90-70 system. The course provides the fundamental tools for a new programmer to organize and implement a 90-70 program by providing an experienced instructor and a course that will guide the student by demonstrations and hands on lab exercises to develop programs based on real world applications.

### **Who Should Attend?**

The course is designed for electrical technicians, electricians, and programmers new to ladder logic functions who will be tasked with developing programs in the future.

### **Are There Any Prerequisites?**

Participants should have a basic understanding of electrical fundamentals before attending this course

### **Training Benefits to Customer**

This course benefits the customer by teaching participants the following skills:

- Identify the hardware components of a Series 90-70 PLC.
- Describe the program sweep.
- Create a new Logicmaster 90 folder and hardware configuration.
- Create subroutine blocks.
  - Perform top-down programming with subroutines.
  - Program execution control with permissives.
- Create basic ladder diagram programs.
- Create nicknames and descriptions for ladder diagram programs.
- Use the functionality of Logicmaster 90, including but not limited to:
  - Graphic hardware configuration.
  - Mixed Variable Table.
  - Program overrides ("forces"), on-line program changes.
  - Create Side file, Use the library function.
  - View/Edit a program block.
- Debug control logic and diagnose faults using Logicmaster 90.