

AutoMax Programming

September 2025

Course Overview

After completing this course, students will develop advanced skills in identifying AutoMax hardware components. The difference between tasks and variables. AutoMax Programming Executive. DCS Communications, and programming PC, BASIC, and Ladder Tasks. **The course is done on equipment made available by the client.**



Course Objective

To provide the necessary information, resources, and hands-on activities needed to become proficient in advanced features and programming of a ControlLogix System. The course focuses on hardware & Network configurations, and Advanced Instruction Programming.

There are ample hands-on exercises and troubleshooting that familiarize the student with the hardware and software.

Who Should Attend

This course is recommended for maintenance and engineering personnel, as well as those responsible for programming and maintaining this equipment. It is highly recommended that students have a thorough understanding of the concepts and practices included in the **ControlLogix Programming & Maintenance course (POCC101)**.

Course Length and Cost

Per Student Cost:	\$1750 USD
Course Length:	4 Days

Client Expectations

This training is provided at a discount by using equipment provided by the client. Students are expected to attend the entire training session to receive their certificate. It includes a separate workstation, DH/DH+ Communications Module, ControlNet Module, Ethernet Module, 1756-L75 Controller, and software for each student. An additional station for the instructor. In addition, make the following available:

- Computer and necessary software, including: RAutoMax Program Executive
- Internet Access
- Dry-erase board for examples, assignments, etc.

Provider Expectations

The contractor will provide the following:

- Student Workbook with exercises
- AutoMax Programming Manual (Digital)
- Select Procedure Guides
- Lab results can be provided if desired
- Certificate of Completion or Achievement
 - A completion certificate is provided to students who complete the entire class, but with no assessment
 - An achievement certificate is provided for those who complete the entire class and pass a written and programming assessment

Course Agenda

Day 1:

- Safety
- AutoMax Hardware
- AutoMax Fundamentals
 - Task
 - Variables
- Variable Defining Exercise
- AutoMax Program Executive

- Navigation
- Configuration
- PC Task Instructions

Day 2

- Ladder Layout
- Develop a PC Task
- DCS Communication
 - Network Essentials
 - Understanding Drop Depth
- Control Block Language
 - Simple Control Block Instructions
 - Programming Control Block Instructions
- Complex Control Blocks
- Programming Complex Control Blocks
- Advanced Control Blocks
- Programming Advanced Control Blocks

Day 3

- Review of Previous Knowledge
- BASIC Programming
- BASIC Programming Exercises
- Reading E-9 Prints
- Intro to Control Loops

Day 4

- Communicating to ControlLogix
- Unwind Theory
- Comprehensive Program Exercise
- Assessment

Adjustments

It may be necessary to adjust the course curriculum depending on the students' understanding of the material. Every effort will be made to include as much information as possible.

Time permitting, troubleshooting will be incorporated into the program. Troubleshooting will be limited to software, edits, and hardware configurations unless the client provides faulty equipment to be used.

If you have questions about any part of the course or would like to modify the course curriculum, please reach out to [PO Controls](#) to discuss. Price may vary depending on the extent of changes.