



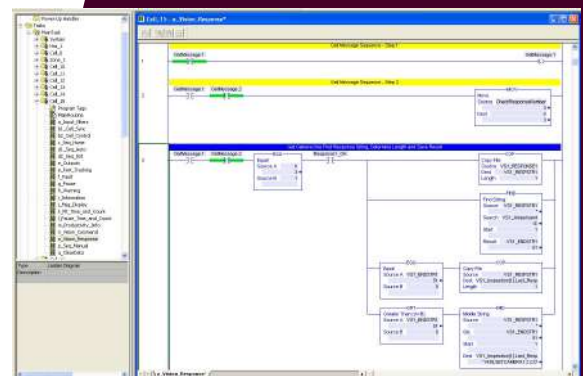
# PLC Training - AllenBradley ControlLogix & CompactLogix Advanced

**Course Code: DA-AB-CLX-A**

## Training meant for

This course is aimed for Allen-Bradley PLC users (Logix Platform) who want to maintain or program a Logix5000 project. After completing this course, students should be able to perform the following tasks

- Create a Studio 5000 Logix Designer project or Programmers
- Program an application
- Add advance functionality to an application (data arrays, add-on instructions, produce/consume data and messages)
- Able to develop the program in Ladder, Structured Text, Function Block and Sequential Functional Chart
- Programming advanced instructions
- Optimizing tags/parameters, program execution, and controller performance
- Utilizing Studio 5000 Logix Designer tools
- Managing controller information and security



# Requisites

Background in Electrical or Electronics engineering  
Basic knowledge of programming an Allen-Bradley  
PLC system or comparable PLC-types.

## Course Contents

- Arrays / User Defined Type / GSV / SSV Instructions / Status Flags
- Move Instructions / Indirect Addressing / File Instructions
- Bit Shift Instructions / Stack Register Instructions / Sequencer Instructions
- Using Add-On Instructions / Creating Add-On Instructions
- Message Instruction / Produced and Consumed Tags
- Event Tasks / Periodic Task
- ASCII String Instructions
- Enhanced PID Instruction
- Function Block Basics
- Function Block Boolean Logic / Function Block Editing
- Structured Text Basics / ST Conditionals / Case Statements / Loops
- Sequential Function Chart Basics
- SFC Editing / Steps and Transitions / SFC Actions / SFC Forcing

## Methodology

Courses offered by Diligent Automation are with proficient trainers. Presentations (theory and examples) as well as practical exercises bring life to the courses. A laptop with necessary software installed will be given to each candidate during the training session. Training kits will be provided to execute practical sessions.

- ▶ **Course Duration is 7 Days (56 Hours)**
- ▶ **Max 12 candidates per batch**
- ▶ **Course Fee: 20000 INR (Inclusive of all Taxes)**

**For more details,**  
Log into [www.diligentautomation.com](http://www.diligentautomation.com)  
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