

AUTOMATION ACADEMY

A u t o m a t i o n S y s t e m s T r a i n i n g S p e c i a l i s t s

Course Title: Allen Bradley SLC 500 Advanced Course

The Allen Bradley SLC 500 advanced training course has been designed to familiarise Electricians, Technicians and Maintenance Engineers with previous experience of SLC 500 controllers to the higher level features associated with the operation and maintenance of SLC 500 controllers and RSLogix 500 programming software.

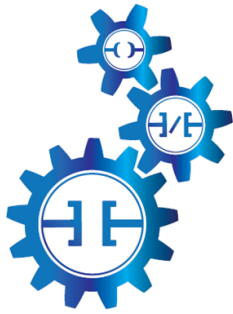
Where possible, application specific exercises, actual drawings and plant programs will be used to allow the students to gain the greatest possible benefit from the course.

Course Objectives:

- ☒ To revise and further develop an understanding of Allen Bradley SLC 500 Ladder instructions.
- ☒ To be able to use and understand the operation of a number of extended instructions.
- ☒ To develop an understanding of indirect addressing techniques available on SLC 500 controllers.
- ☒ To be able to understand, configure and locate faults on AB SLC 500 communication networks, DH485, DH+ and Ethernet.
- ☒ To be able to use and configure network MSG instructions.
- ☒ To understand how the AB PanelView HMI is connected and configured.

Course Content:

Creating the level advanced course training project and basic topic revision.
Ladder programming exercises using higher level instructions, including;
Introduction to files.
File arithmetic and logic instructions.
File search and compare functions.
Fault routines and selectable timed instructions.
Block transfer instructions.
Indirect programming techniques.
Configuring communications as used on plant.
Using the MSG instruction for network communications
Setting up a PanelView HMI to the SLC 500 system



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Customised training included in the course cost.

As part of this training course we will include custom application exercises for your own plant and processes, this value added option creates immediate payback for students on plant. It will have the benefit of the students becoming familiar with key areas of your PLC project(s) during the training course. This option does require the supply of your plant drawing and program listings at least 2 weeks prior to the course start date.

Course Duration: 3 Days

Documentation: AB SLC 500 Advanced Training Manual.

Equipment per student: SLC 500 controller

Programming laptop

Plant simulator

Web link: [Allen Bradley SLC 500 Advanced Course](#)