

Unity - PLC Configuration and Programming Software – Standard

Course Code: AUT3

Duration: 2 Days

Cost: \$800 excl GST

Course Purpose:

Unity Pro is the latest generation PLC programming software from Schneider Electric.

In this 2 day course the student will be introduced to the Modicon M340, Premium & Quantum hardware, and the Unity Pro environment.

It serves as an introduction to IEC programming languages (Ladder, Structured Text, Function Block Diagram, Sequential Function Chart & Instruction List) for those who wish to advance beyond traditional ladder logic.

Hands on programming through the use of practical labs and the built in simulator reinforce understanding of this powerful software tool.

Prerequisite Knowledge:

A good grounding in PLC or PC programming.

Course Objectives:

Upon completion of this course, you will be able to:

- Understand the basic structure and application of Unity Programming for Schneider Quantum, Premium and M340 PLC's.
- Write and apply basic programming concepts using all of the IEC 61131 Programming Languages.
- Debug and maintain Quantum, Premium and M340 PLC's.

Target Audience:

This PLC course is designed for persons having previous PLC programming experience who wish to learn Unity IEC 61131 software.

Course Content:

1. Unity Pro Description.
2. Security Management.
3. Premium, Quantum and M340 PLC configuration.
4. Program Structure of Tasks and Events
5. Variables.
6. IEC Language - Function Block Diagram.
7. IEC Language – Ladder Logic.
8. IEC Language – Sequential Function Chart.
9. IEC Language – Structured Text.
10. IEC Language – Instruction List.

Duration and Delivery:

- a. Two Day Training Course
- b. In – class sessions at Schneider Electric training rooms, and hotel conference facilities at main centres though out New Zealand.