

## Do you want to develop a career in engineering using Programmable Logic Controllers (PLC)?

### Level 3 Award in Programmable Logic Controllers

'10 days - Delivered in association with Technique Learning Solutions in Chesterfield'

- ✓ Enables you to acquire the essential knowledge needed to understand the hardware and software concepts of PLC
- ✓ Provides an understanding of the applications of Programmable Logic Controllers (PLCs) and the hardware and software that makes up a PLC and interaction needed between the component parts
- ✓ It will prepare you for employment in commercial or industrial roles. This course includes the use of an actual robotic machine to test the end programming result.
- ✓ Successful completion will result in the award of EAL Level 3 Award in Programmable Logic Controllers.

## Who is the course for?

Service leavers interested in this course will be expected to have as a minimum , a basic level of engineering skills (Mechanical or Electrical).

It will particularly suit Service leavers with an HNC/HND , or an electronics background.



## Course Structure

This is a 10 day modular course, (75 guided learning hours).

### Module 10.1

Understand and demonstrate the internal architecture of PLCs, their applications, and knowledge of the number systems they use.

### Module 10.2

Understand and demonstrate the typical input and output devices with PLCs, their selection, and how they are interfaced to the PLC.

### Module 10.3

Investigate and display an understanding of the basic programming techniques used with PLCs.

### Module 10.4

Produce a correctly developed programme for a PLC to control a specified process, and document the complete programme to a satisfactory standard.

### Module 10.5

Understand and demonstrate how to monitor PLC operation, force devices and fault find PLC controlled processes.

## What support will I receive?

- ◆ Handouts will be provided where applicable.
- ◆ Expert tuition from multiple tutors who can provide knowledge of key specific areas of the course.
- ◆ Assessment is via assignments and therefore it is likely that you will receive work to be complete during the evenings of your course.



## Further Study

Other CTP courses which may be useful are as follows:

- ◆ 18th Edition Wiring Regulations
- ◆ Domestic Electrical Installation Full Scope
- ◆ Inspection and Testing of Electrical Installations
- ◆ LCL L3 Certificate in Refrigeration, Air Conditioning & Heat Pump Systems
- ◆ L5 Certificate in Service Improvement (Lean Six Sigma Green Belt)

## Employment Opportunities

- ◆ Employment prospects are good both nationally and globally in engineering sectors such as Manufacturing, Rail, Electrical and Mechanical Engineering.



## Course Fees and How to Fund

The course is Non-Contract Funded and therefore the cost of the course is to be paid direct to the Course Booking & Information Centre in advance as soon as possible after course booking or your place may be re-allocated. Payment is to be made by credit/debit card over the phone.



Course Cost:	2052.00
Exam Fees:	87.00
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Total cost:	<b>£2139.00</b>

ELC funding may be used towards this course.

MOD policy on using ELC funding permits you to combine appropriate courses and submit them on one claim to achieve greater outcomes from your training. This course links to other related CTP courses that you may find of benefit and could increase your employability. Your Career Consultant will be happy to discuss this with you and you can also research further on the CTP website

<https://www.ctp.org.uk/resettlement-training/>

To book your place on this course, contact us today  
01252 954007 | [CourseBookings@ctp.org.uk](mailto:CourseBookings@ctp.org.uk)