

Programmable Logic Controllers (PLC) 1



College of Electrical Training (CET)

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Connect Your Mind

Course Overview

This course is designed to introduce students to the concepts of PLC operation and the basic fundamentals of PLC programming. OH & S issues and legislative requirements relating to installation and operation of PLC's is covered.

Course Content

The course provides training in installation procedures and precautions, advanced discrete programming, external program storage devices, software design and basic diagnostics.

On completion of this course students will be able to:

- Interpret the relevant Australian Standards in respect to safe working practices and describe the basic installation procedures and precautions that need to be taken when installing a programmable control system.
- Write and test the more advanced discrete instructions available in a PLC.
- Transfer a program from a programmable controller to an external medium.
- Use computer software to design, enter and commission a programmable controller system and produce an appropriate printout.
- Use PLC diagnostics and manufacturer's data to aid in hardware and software fault isolation.

Course Entry Requirements

As this course is based on a computer driven PLC students must have a basic knowledge of computers.

To enrol on this course students must have an understanding of control circuitry and be able to demonstrate its practical application in the field.

Students should have prior training in either Basic Programmable Controllers or Circuit Development.

Certification and Course Accreditation

Upon successful course completion students are provided with a Certificate of Completion.

Course Duration

5.30pm to 9pm

Course Attendance

Part-time - 2 evenings per week for 5 weeks

How to Enrol

Complete the attached course registration form and return the document to the College of Electrical Training together with your payment of course fees.

Course Fees

Subsidised course fees are available to persons currently working in the Building and Construction Industry and persons who have worked in that industry in the previous 6 months. **The fee subsidy does not apply to persons working in the security and mining industries and Government employees.**

To be eligible for subsidised course fees students must sign the 'Fee Subsidy Declaration' on the reverse of the course registration form and Work History Form.

Course Materials

Students are required to obtain the following material prior to course commencement:

- AS/NZS 3000:2007 (available from the CET)

NOTE: Although not compulsory it is desirable that students have access to a computer out of College hours.

Skills Recognition

Our skills recognition process benefits students, who have achieved prior training skills or knowledge and applies to Skills Recognition, Recognition of Prior Learning (RPL), Credit Transfer, Advanced Study or Exemption.

If you believe you are entitled to any of the abovementioned we encourage you to fill out the Application Form for Skills Recognition, which is available from our administration team. Your application will be assessed on an individual basis.

Cancellation Policy

8 days or more prior to course commencement 100% fee refund

2 to 7 days prior to course commencement 90% fee refund

1 day or less prior to course commencement Nil fee refund

Should you have any queries please do not hesitate to contact:

Balcatta Campus

Taya Marshall

Phone: (08) 9240 7700 Email: admin4@cet.asn.au

Jandakot Campus

Jessica Kalmund

Phone: (08) 9417 8166 Email: admin14@cet.asn.au.

Registration Form

Programmable Logic Controllers (PLC 1)

Balcatta Campus Jandakot Campus

Where did you find out about the CET?

Surname _____

First Name _____

Date of Birth ____/____/____

Private Address _____

Suburb _____ Postcode _____

Telephone _____

Mobile _____

E-mail _____

Facsimile _____

Company _____

Company Address _____

Company Ph No. _____

Course Date _____

Course Fees

NonSubsidised Fee

\$590.00

Subsidised Fee

\$118.00

Work History Form MUST be filled out and submitted if paying the Subsidised Fee

Please find enclosed my cheque / money order / credit card authority / company purchase order payable to the CET for \$_____

Paid by (if other than student, please provide name and address details)

In order to guarantee your booking for any course your payment and registration must be completed. Under no circumstances will registration without payment entitle you to a position.

Fee Subsidy Declaration - Programmable Logic Controllers (PLC 1) Course

I _____ (full name)

(please tick)

Am currently working in the building & construction industry

Am currently unemployed and have worked in the building & construction industry in the past 6 months

Please note: If the CTF declines this subsidy application you will be required to pay the full (non subsidised) fee immediately.

Name of Employer

(required to claim the fee subsidy)

(Signature)

(Date)

NOTE: The CTF subsidy reduces the student fee by up to 80%.



The Supplementary Skills Program is subsidised by the Construction Training Fund Board and we would like to acknowledge the Board's continued support of skills development in the building and construction industry.

The College of Electrical Training (CET) is the major private training provider for the Western Australian electrical and telecommunications industries.

Excellence in customer service is our priority and you will find that in comparison with other colleges the CET is outstanding. We offer modern 'state of the art' facilities and quality training by industry for industry.

Please forward your registration form (and subsidy declaration if applicable) with your payment to:
See address details on front page

