

Programmable Logic Controllers (PLC) 2

Unit of competency NES414A from
Electrotechnology Training Package
UTE-99V3



College of Electrical Training (CET)
9 Cressall Rd, Balcatta WA 6021
PO Box 811, Balcatta WA 6914
Ph (08) 9240 7700 Fax (08) 9240 4349

5 Avior Avenue, Jandakot WA 6164
PO Box 3857, Success WA 6469
Ph (08) 9417 8166 Fax (08) 9417 8766
www.cet.asn.au

Connect Your Mind

Overview

This course is designed to extend the student's skills in the area of discrete control and introduce higher-level control concepts. Analogue Input / Output and PID control concepts are covered.

Course Content

On completion of this course students will be able to:

- Write, test and describe advanced programming functions of PLC's
- Understand and use the different numbering systems (BCD, Grey, Binary, Hexadecimal and octal) that are used in PLC programming
- Work with the PLC system registers to fault find and program "Error Traps" into PLC programs
- Use 8,16 and 32 bit words to manipulate data via programming instructions
- Manipulate and use analogue input and output signals
- Use and manipulate drum controllers and program PID control of variable speed motor controllers

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 it's practical application in the field.

Students should have prior training in either

- Basic Programmable Controllers (PLC) 1 or
- Circuit Development, preferable both.

Certification and Course Accreditation

This training is delivered as a unit of competency NES414A from the Electrotechnology Systems Electrician - Certificate IV of the UTE99.V3.01 Electrotechnology Training Package.

Students will be issued with a Statement of Attainment under that qualification.

Training Duration

36 hours over six weeks

Course Attendance

Part-time - 2 evenings per week over 6 weeks

How to Enrol

Complete the attached 'unit of competence' 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.

Assessment

Competency will be assessed over the duration of the training in a simulated workplace environment

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 2

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 2 Training

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



**College of
Electrical
Training**