

# Course in Programmable Logic Controllers

## UEENEED007B Develop, Enter and Verify Programs for Programmable Logic Controllers Using Ladder Instruction Set



### College of Electrical Training (CET)

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*Connect Your Mind*

01/11/2011

### Course Overview

This course covers development, installation and testing of programs for Programmable Logic Controllers (PLC's) for systems requiring extended control functions.

### Course Content

The course provides training in preparing to develop, enter and verify programs, developing control systems, entering and testing programs and verifying, documenting and reporting programming activities.

On completion of this course learners will be able to:

- Develop control system solutions to required operating functions and parameters.
- Identify non-compliance conditions of device installation.
- Convert a control system to a PLC program.
- Enter programming functions and parameters correctly.
- Transfer programs to a PLC.
- Correct programming anomalies.
- Test and verify the operation of control systems.
- Transfer programs to external storage.
- Document control systems and programs.

### Course Entry Requirements

Applicants should have basic computing skills and an understanding of control circuitry and its practical application in the field.

### Certification and Course Accreditation

Upon course completion graduates will be issued with a Statement of Attainment.

### Training Duration

40 hours over five weeks.

### Course Attendance

Part-time - 2 evenings per week for 5 weeks

### How to Enrol

Complete the attached 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 applicants 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 applicants must sign the 'Fee Subsidy Declaration' on the reverse of the Course Registration Form and Work History Form.

Both the Work History Form and a Credit Card Authority Form for payment can be downloaded from our website.

### Course Materials

Applicants are required to obtain the following resources prior to course commencement:

- AS/NZS 3000:2007 (optional - available from the CET)
- 'Programmable Logic Controllers (Fourth Edition)' by Frank D. Petruzella (available from the CET)

## Skills Recognition

Our skills recognition process benefits applicants who have undergone prior learning and recognises competencies obtained outside of a formal educational or training environment gained through life or work experience. Competencies currently held by applicants will be formally assessed against the unit of competency and will be recognised regardless of how, when and where they were achieved.

If you believe you are entitled to Skills Recognition 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

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

### Jandakot Campus

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

## Registration Form

### Course in Programmable Logic Controllers

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—Fees are subject to change

**NonSubsidised Fee**

\$590.00

**Subsidised Fee**

\$177.00

**\*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 - Course in Programmable Logic Controllers

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

