

# Certificate IV in Electrical- Instrumentation

## UEE40410



College of Electrical Training (CET)  
9 Cressall Rd, Balcatta WA 6021  
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[www.cet.asn.au](http://www.cet.asn.au)

*Connect Your Mind*

24/10/2011

### Course Overview

This course is designed to provide the Electrical Tradesperson and final year Electrical Apprentice with training in the functionality, operation, calibration and fault finding of basic Industrial Instrumentation. The course provides underpinning knowledge of Instrumentation theory, calibration and processes through a web-based training program which is self-paced and supported administratively and technically by the College. The knowledge obtained through the online tuition is then applied in simulated workplace training units within the College in areas such as pressure, level, temperature, flow, transducers and application to analytical instruments. This can be undertaken once the web-based programs are completed. Competency can be achieved through repeated undertaking of practical projects at the College or through workplace activities. Students should ideally have home broadband internet access.

**NOTE: The web-based component of the program should be completed within three months and must be completed within 12 months.**

### Course Content

The training will address the primary understanding and application of skills in areas of basic Instrumentation for the Electrical & Instrumentation Tradesperson.

The majority of the Electrical and Occupational Health & Safety Units within this Certificate IV should be achieved through Recognition of Prior Learning (RPL) for existing Electricians and final year Apprentices. For the average Electrician, the Units that must be undertaken will be:

**Pressure** - UEENEENI002B Solve Problems in Pressure Measurement Systems

**Level** - UEENEENI003B Solve Problems in Density/Level Measurement Systems

**Temperature** - UEENEENI005B Solve Problems in Temperature Measurement Systems

**Flow** - UEENEENI004B Solve Problems in Flow Management Systems

**Transducers** - UEENEENI001B Install and Set Up Transducers and Sensing Devices

### Course Content Continued

**Measurement and Calibration** - UEENEENI017B Calibrate and Test Measuring Instruments

### Course Requirements

All applicants must hold a current WA Electrical Workers Licence. Persons undertaking this course must also reside in Western Australia.

In addition, applicants must also have a working knowledge of both written and spoken English.

### Software Requirements:

- Internet Explorer 6.0 or 7.0
- Java Runtime Environment
- Windows Media Player 9.0 or higher
- Adobe Flash Player 9.0 or higher
- Adobe Reader 5.0 or higher

### Student Support

The online component of the course will be administrated through a CET Administration Officer at [admin4@cet.asn.au](mailto:admin4@cet.asn.au)

Technical advice and support to the course will be provided through an Instructor at [gsmith@cet.asn.au](mailto:gsmith@cet.asn.au)

### Course Duration

This is a self-paced course with a large percentage of the theory being delivered online at the students' pace (it should be noted that online training must be fully completed within 12 months). Once the online component is completed the student can undertake the practical sessions and undergo assessment. Classes in the practical will be run "on demand" so once sufficient numbers for a class are established it can begin.

### Certification and Assessment

Upon successful completion of all the required Units the student will be provided with a Certificate IV in Electrical-Instrumentation.

**NOTE: Where an Apprentice Electrician is not in possession of an Electrical Workers Licence, the qualification will be withheld until the Apprenticeship has been completed and the Licence has been obtained.**

## How to Enrol

Complete the attached course registration form (including enrolment declaration) and return to the College of Electrical Training together with your payment. In order for the CET to maintain contact with you it is desirable that you provide your email address.

A copy of your EW Licence and Electrical Trade Certificate must be provided in order to guarantee your enrolment on this course.

## 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.

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

## Registration Form - Certificate IV in

### Electrical-Instrumentation:

How 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. \_\_\_\_\_

EW Number \_\_\_\_\_

### Course Fees—Fees are subject to change

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

- |                                          |           |
|------------------------------------------|-----------|
| <input type="radio"/> Non-Subsidised Fee | \$5000.00 |
| <input type="radio"/> Subsidised Fee     | \$600.00  |

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

\_\_\_\_\_  
\_\_\_\_\_

## Enrolment Declaration

If paying the subsidised fee, please complete the following:

I \_\_\_\_\_  
(full name or company) agree to participate in this training program under the terms of the Critical Skills Investment Fund and contribute to the training costs by paying the CSIF defined contribution to the total training fee prior to commencing training.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

The "Subsidised Fee" is provided by the Department of Education Employment and Workforce Relations (DEEWR) and is not always available.

This fee is provided on a case by case basis depending on the size of each participating employer's workforce, not on the total number of people being trained. Please check with the Campus regarding availability and eligibility criteria.

### Privacy Statement:

NECA WA will only disclose information regarding this training to the contractors or agents of the Department of Education, Employment and Workforce Relations (DEEWR) and the ElectroComms and EnergyUtilities Industry Skills Council as relevant to the CSIF program.

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