

# New Zealand Certificate in Electrical Equipment in Explosive Atmospheres (Level 4)

**Intakes**
19/04/2027 (New Plymouth)
26/07/2027 (New Plymouth)
11/10/2027 (New Plymouth)

**Duration**
5 days classroom + self directed learning

**Domestic Fees**
2026 - $2,685.00 (GST inclusive)
2027 - $2,846.00 (GST inclusive)

**International Fees**
2026 - $8,657.00 (GST inclusive)
2027 - $9,176.00 (GST inclusive)

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# New Zealand Certificate in Electrical Equipment in Explosive Atmospheres (Level 4)



Ensuring workplace safety in potentially explosive environments from the presence of gases, vapours, dusts and flammable materials is the key purpose of this qualification.

This qualification is designed for electricians, instrument technicians, mechanical and process workers who need to meet safety regulations in hazardous areas, now referred to as 'explosive atmospheres.'

During the course, you'll gain theoretical knowledge and find out how to apply safety principles, procedures, and statutory requirements to safely enter and operate an explosive atmospheres site. These include, but are not limited to, oil and gas and petrochemical industries, dairy industries and other industries that have gases, vapors, dusts or flammable products on site.

This qualification is only offered through WITT, and is available to students throughout New Zealand, including in-house training.

Please refer to the Australian v NZ Unit Standards APL Table to compare the equivalent Australian Standards with the New Zealand Standards for this course. If you have already achieved the equivalent Australian qualification we can transfer these skills over to help you achieve the NZ Certificate in Electrical Equipment in Explosive Atmospheres Level 4.

Contact us for further information.

**EWRB - Hazardous Areas Endorsement**

This qualification has been approved by the Electrical Workers Registration Board (EWRB) as an optional course to meet some of the requirements of the endorsed hazardous areas registration classes.

Endorsed Hazardous Areas | Electrical Workers Registration Board

The aim of this programme is to provide ākonga who work with electrical equipment in explosive atmospheres with the practical knowledge and skills to apply the necessary principles, procedures, and statutory requirements to safely enter and operate in an explosive atmospheres site and be responsible for conducting testing of electrical, electronic, instrument, and data communication installations for explosive atmospheres. And to apply the necessary principles, procedures, and statutory requirements to safely enter and operate in an explosive atmospheres site.

## Programme length and structure

- Three weeks of pre-course reading
- Five day face-to-face training
- Self-directed learning - Evidence to be gathered from own work site and submitted to WITT
- Total 460 hours of learning

## Courses

## CEA4002: Install, Maintain and Test Electrical Equipment in Explosive Atmospheres

Upon the successful completion of this course, ākonga will be able to:

- Install explosion-protected equipment and associated equipment and wiring systems
- Maintain electrical equipment associated with explosive atmospheres
- Attend to breakdowns in explosive atmospheres
- Conduct testing of electrical apparatus in explosive atmospheres installations
- Enter classified explosive atmosphere areas to undertake work

## CEA4001: Theory of Electrical Equipment in Explosive Atmospheres

Upon the successful completion of this course, ākonga will be able to:

- Demonstrate introductory underpinning knowledge of electrical equipment in explosive atmospheres
- Demonstrate and apply intermediate underpinning

NZIHT reserves the rights to withdraw or adjust programmes, alter start date or fee schedules, and make any other changes as it may deem desirable or necessary, without prior notice. All programmes are subject to a sufficient number of enrolments and completion of all approval and accreditation requirements.

NZIHT and this programme are part of Te Pūkenga – New Zealand Institute of Skills and Technology

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knowledge of electrical equipment in explosive atmospheres
- Determine the explosion-protection requirements specified for classified explosive atmospheres
- Report on the integrity of explosion-protected electrical apparatus in explosive atmospheres Demonstrate knowledge of
- Conduct visual and close inspection of electrical installation for explosive atmospheres
- Demonstrate underpinning knowledge of gas detection equipment in explosive atmospheres

## Entry Requirements

Entry into the programme requires applicants to be a New Zealand Registered Electrician, Electrical Inspector, Electrical Installer and/or hold a level 4 qualification in Industrial Measurement and Control, Electrical Inspectors or an Instrumentation Technician with experience in explosive atmospheres, or a New Zealand Registered Electrical Engineer or a Registered Electrical Service Technician.

**Special and Discretionary admission**
Applicants who do not hold the above qualification/registration may be accepted into the programme if they are currently working towards an appropriate electrical qualification and/or registration and/or have appropriate industry experience. Applicants will be required to forward evidence of their work experience/qualifications to the Programme Manager for approval prior to enrolment.

**International Applicants**
All applicants must demonstrate the necessary language proficiency required for the programme. International applicants are required to demonstrate capability in English as evidenced by an IELTS (General or Academic) score of 5.5 with no individual band lower than 5 from a single test taken in the preceding two years, or an equivalent described in NZQA Rules.

**Explosive Atmospheres / Hazardous Areas - 1 day course**

WITT delivers the above one day course covering unit standard 5929. Ideal for anyone working in a classified zone or hazardous areas site that has not done any previous hazardous training or requires a refresher. Recommended pre-requisite to the NZ Certificate in Electrical Equipment in Explosive Atmospheres L4. This course can also be delivered in-house throughout New Zealand for a minimum of 12 participants.

**IN-HOUSE TRAINING**

We can deliver this course in-house anywhere in NZ for a minimum of 10 students.
Enquire now.

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