

LOOKING TO STEP-UP AND BECOME A HIGHLY VALUED INDUSTRY LEADER?

IF YOU'RE KEEN TO GET MORE FROM YOUR TRADE THEN TAKE THE NEXT STEP ALONG THE NATIONAL QUALIFICATIONS PATHWAY WITH THE NATIONAL CERTIFICATE IN ELECTRICAL ENGINEERING [ADVANCED TRADE] [LEVEL 5] AND/OR THE NATIONAL DIPLOMA IN ELECTRICAL ENGINEERING [ADVANCED TRADE] [LEVEL 5]. **THESE QUALIFICATIONS OFFER THE DEVELOPMENT AND RECOGNITION OF NEW SKILLS AND KNOWLEDGE AT AN ADVANCED TRADE LEVEL**, AND WILL HELP YOU MAKE THE SHIFT FROM A REGISTERED TRADESPERSON TO A HIGHLY-QUALIFIED INDUSTRY LEADER.

HOW LONG DO THESE QUALIFICATIONS TAKE?

The Certificate takes about two years of part-time study with a training provider and consists of 76-83 credits in core and elective components. In the elective component you choose from one of three strands: Electrotechnology Specialisation, Electrical Installation, or Industrial Electrical Engineering.

The Diploma incorporates and builds on the Certificate and takes a further year to gain. It involves completing workplace unit standards in one of the same three strands, with little or no off-job study required. If you've set your sights on the Diploma you can complete both the Certificate and the Diploma concurrently.

WHAT DO THE STRANDS COVER?

The Electrotechnology Specialisation strand provides a choice of broader electrotechnology subjects at a mainly academic level for people involved in electrotechnology design, allowing for specialisation in a chosen field of expertise not specifically covered by the other strands.

The Electrical Installation strand includes customer energy solution, electrical switchgear and switchboards, electrical installation practice, standby power plant, lighting installations, and building management systems.

The Industrial Electrical Engineering strand includes industrial measurement and control, programmable logic controllers, designing documentation for commissioning and handover of electrical engineering projects, electrical machine safety systems, and maintenance and reliability.

The Diploma also includes the option of attaining the Electrical Inspector's registration.

To discover how the National Certificate in Electrical Engineering [Advanced Trade] [Level 5] and the National Diploma in Electrical Engineering [Level 5] programmes can further your career, contact your ETITO training manager today.



“The National Certificate in Electrical Engineering [Advanced Trade] [Level 5] is great for people who want to carry on learning after earning their trade. I chose to complete the Certificate because it'll open doors for me, especially with the type of industrial electrical work I do. By completing this qualification it shows I'm a keen learner – and that's what employers look for.”

William Kok, ECANZ Challenge Finalist 2009, A J Greaves, Hawera

NATIONAL CERTIFICATE IN ELECTRICAL ENGINEERING [ADVANCED TRADE] [LEVEL 5]

In addition to the elective unit standards that must be completed from one of the Electrotechnology Specialisation, Electrical Installation and Industrial Electrical Engineering strands [ranging from 30-37 credits], the Certificate has 46 compulsory credits to be achieved:

THE COMPULSORY UNIT STANDARDS RELATE TO:

- Project planning and management and quotation preparation
- CAD tools
- Financial management for a small business
- Electrical circuit protection
- Non-electrical legislation
- The inspection and certification of electrical installations
- Energy efficiency
- Health and safety

NATIONAL DIPLOMA IN ELECTRICAL ENGINEERING [ADVANCED TRADE] [LEVEL 5]

The Diploma has the same 46 compulsory credits as the Certificate [above], along with 45-47 credits to be taken from one of the Electrotechnology Specialisation, Electrical Installation and Industrial Electrical Engineering strands, and 20-39 additional elective credits.

THE ADDITIONAL ELECTIVE SECTION ALLOWS FOR STUDY IN ANY OF THE FOLLOWING:

- Planning and allocation of work
- Procurement of supplies
- Budgeting
- Designing trainee assessment and assessing trainees
- Advanced electrical testing and measurement
- Energy audits
- Development and implementation of maintenance plans
- Electrical inspection
- Maintenance planning
- Project estimates

For a more detailed description of the exact unit standards included in each qualification, you can find the qualification summary at www.nzqa.govt.nz

“Completing the Level 5 arms a qualified tradesperson with further skills and knowledge that will ultimately make them more valuable to employers, and more adept should they decide to go into business for themselves some day”

Paul Hollings,
ETITO Industry Manager



ETITO Training Managers

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