

LEVEL 6

NZDEP

ELECTRICAL

NEW ZEALAND DIPLOMA IN ENGINEERING PRACTICE

Developed in partnership with the New Zealand Board of Engineering Diplomas and IPENZ

**A STRUCTURED CAREER PATHWAY
FOR ELECTRICAL ENGINEERING TECHNICIANS**

CONEXIS

qualify for success





NZDEP LEVEL 6

A STRUCTURED CAREER PATHWAY FOR ELECTRICAL ENGINEERING TECHNICIANS

The New Zealand Diploma in Engineering Practice (NZDEP) is the only engineering diploma qualification in New Zealand which recognises practical, work-based skills.

It is ideal for people wishing to take the next step on from the New Zealand Diploma in Engineering (NZDE) – a theoretical qualification offered through a number of Tertiary Education Organisations.

The NZDE and NZDEP are aligned with the Institution of Professional Engineers New Zealand (IPENZ) 12 Competence Standards. Together they provide a pathway to Associate Membership (AIPENZ), and/or registration as a Certified Engineering Technician (CertETn). Both qualifications are certified to the Dublin Accord.

WHO IS THIS QUALIFICATION FOR?

The NZDEP is designed for electrical engineering technicians working in the Infrastructure Industry. It is also ideal for power technicians and design project managers who are looking to take the next step in their career.

WHERE WILL THIS QUALIFICATION TAKE ME?

On completion of the NZDEP and the prerequisite NZDE, graduates will have formal recognition of their ability to apply their theoretical knowledge in a practical setting to complete the job unsupervised. Being able to provide proof of ability is a significant advantage over a purely theoretical qualification.

The NZDEP offers great scope for career progression and may lead on to higher level qualifications such as a Bachelor of Engineering Technology or a Bachelor of Engineering.

Skilled, qualified engineering technicians are in high demand, with excellent career prospects around New Zealand and the rest of the world.

WHICH SKILLS DOES IT COVER?

The NZDEP qualification graduate outcomes are aligned to the Institution of Professional Engineers New Zealand (IPENZ) 12 Competence Standards for an engineering technician:

1. Comprehend and apply detailed knowledge underpinning good practice as an engineering technician.
2. Comprehend and apply detailed knowledge underpinning good practice as an engineering technician that is specific to New Zealand.
3. Identify, state and analyse well-defined engineering problems in accordance with good practice for engineering.
4. Design or develop solutions to well-defined engineering problems by applying attempted procedures and methodologies.
5. Be responsible for making decisions on part or all of one or more well-defined engineering activities.
6. Manage part or all of one or more well-defined engineering activities in accordance with good engineering management practice.
7. Identify risk and apply risk management techniques to well-defined engineering problems.
8. Conduct engineering activities to an ethical standard at least equivalent to the relevant code of ethical conduct.
9. Recognise the reasonably foreseeable social, cultural and environmental effects of well-defined engineering activities generally.
10. Communicate clearly with others in the course of well-defined engineering activities.
11. Maintain the currency of engineering knowledge and skills.
12. Exercise sound engineering judgement.

HOW IS THE QUALIFICATION ACHIEVED?

The NZDEP is achieved through a blend of on-job learning and practical activities which are linked to the IPENZ 12 Competence Standards. These are presented in an electronic portfolio of evidence to the Standards, which may include:

- Budgets
- Work plans
- Project documents and calculations
- Site plans
- Health and Safety records
- Photographs and videos of work carried out

Final assessment is carried out during a professional interview where the candidate and a Connexis Assessor discuss the portfolio of evidence to the 12 Competence Standards.

THE NZDEP WILL TAKE AROUND 18-24 MONTHS TO COMPLETE.

L6

NZDEP

ENTRY REQUIREMENTS

Candidates must have completed (or almost completed by part-time study) the New Zealand Diploma in Engineering (NZDE) or New Zealand Diploma in Engineering (NDE), before attempting this qualification.

A minimum of three years of relevant work experience is also required to ensure that candidates have sufficient on-job skills to meet the requirements of the qualification.

NZDEP

SUPPORTED BY INDUSTRY



Susan Freeman-Greene
Chief Executive, IPENZ

The applied nature of the New Zealand Diploma in Engineering Practice (NZDEP) is a natural progression for students who have completed the New Zealand Diploma in Engineering. This Diploma enables participants to consolidate their learning within a practical environment and also qualifies them for Cert ETn and AIPENZ.

Graduates of the NZDEP have proved to be of greater value to employers and find their skills more transferable across the sector. Completing the qualification empowers graduates as they move forward within an industry that is ever-changing and requires a foundation of knowledge developed through practical workplace learning.



SUCCESS STORY

Nick Carter
Maintenance Engineering Officer, Alpine Energy Ltd

The NZDEP brings together everything that I've learned previously in my trade as an electrician and through the theoretical NZDE. It's a qualification which provides evidence of my journey, and demonstrates my practical skills and experience. A big benefit of the NZDEP is that it makes me eligible for Associate membership of IPENZ and for official recognition as an engineering technician. It's a major first step on the career ladder, which is recognised nationally and internationally.

FURTHER INFORMATION

WANT TO ENROL OR FIND OUT MORE? CONTACT US AND WE'LL PUT YOU IN TOUCH WITH YOUR LOCAL CUSTOMER SERVICE ACCOUNT MANAGER

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