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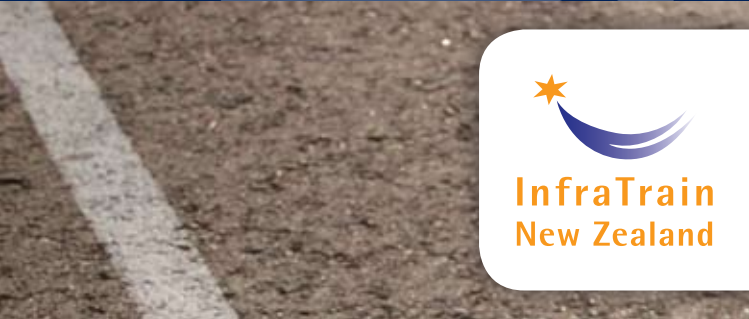
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132 CREDITS



NATIONAL DIPLOMA IN

Civil Engineering (Applied)



InfraTrain
New Zealand



Developed and
assessed in
partnership with



IPENZ
ENGINEERS NEW ZEALAND



A QUALIFICATION FOR CIVIL ENGINEERING TECHNICIANS

Over the coming decade there will be around \$30 billion of investment in land transport infrastructure projects in New Zealand, with exciting career opportunities in civil engineering.

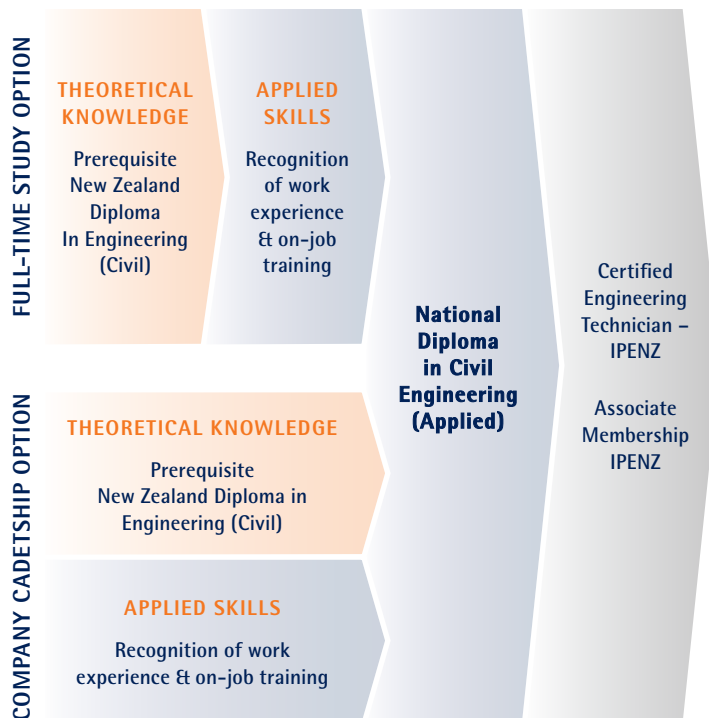
The National Diploma in Civil Engineering (Applied) opens the way to these opportunities as a qualified civil engineering technician.

The diploma has been developed in response to the industry's call for a technician level qualification that recognises practical skills. It provides a replacement for the former New Zealand Certificate of Engineering (Civil) or NZCE (Civil), a qualification that was well regarded and which included a work experience component.

The National Diploma in Civil Engineering (Applied) builds on theoretical knowledge gained by completing a prerequisite New Zealand Diploma in Engineering (Civil) at a polytechnic.

Together, these two qualifications provide a structured pathway to registration as a Certified Engineering Technician through IPENZ and Associate Membership of IPENZ (see diagram).

QUALIFICATION PATHWAY





THE NATIONAL DIPLOMA IN CIVIL ENGINEERING (APPLIED)

The two components of the *National Diploma in Civil Engineering (Applied)* – theoretical knowledge and applied skills – together improve on the former NZCE (Civil). The diploma combines quality academic study to national standards with a more rigorous and structured assessment of practical skills than was provided by the work experience component in the NZCE (Civil).

THEORETICAL KNOWLEDGE – this comprises the New Zealand Diploma in Engineering (Civil), which is a prerequisite and can be studied at any of the polytechnics listed below. Study is flexible, with the options of either studying full-time, or attending block courses while working in a cadetship towards the *National Diploma in Civil Engineering (Applied)*.

APPLIED SKILLS – this component of the *National Diploma in Civil Engineering (Applied)* is completed through the assessment and recognition of appropriate work experience and the practical application of skills. Most of the evidence required for this component is compiled from work activities.

POLYTECHNICS

NorthTec *	www.northland.ac.nz
Unitec New Zealand	www.unitec.ac.nz
Manukau Institute of Technology *	www.manukau.ac.nz
Waikato Institute of Technology	www.wintec.ac.nz
Western Institute of Technology at Taranaki (or New Zealand Institute of Highway Technology)	www.witt.ac.nz www.nzihl.co.nz
Wellington Institute of Technology	www.weltec.ac.nz
Otago Polytechnic	www.otagopolytechnic.ac.nz
Christchurch Polytechnic Institute of Technology	www.cpit.ac.nz

* The first year of the New Zealand Diploma in Engineering (Civil) may be completed at these polytechnics.



INDUSTRY RECOGNISED



The Institution of Professional Engineers New Zealand (IPENZ) is the professional body that represents more than 9,500 engineers from all disciplines in New Zealand.

IPENZ has worked closely with InfraTrain to ensure the *National Diploma in Civil Engineering (Applied)* is closely aligned with the international competence standard for engineering technicians. This means that *National Diploma in Civil Engineering (Applied)* graduates who promptly apply for Certified Engineering Technician Registration and Associate Membership of IPENZ will not need to be assessed further or pay additional assessment fees.

For more information about IPENZ visit www.ipenz.org.nz. Information on Membership and Registration can be found in the "Join" area.

"IPENZ is pleased to support InfraTrain's National Diploma in Civil Engineering (Applied) as it targets the development of the key practical skills needed by civil engineering technicians. The NDCE (Applied) fills a gap and responds to the important need to provide well-structured support for technicians seeking to fast track their development and gain formal recognition of their practical skills."

Brett Williams, Director Learning and Assessment, IPENZ

"Opus International Consultants has been involved with the development of the National Diploma in Civil Engineering (Applied) qualification as it saw the need for demonstrating that academic learning was being applied in practice. The NDCE (Applied) is seen as a significant step forward for technician level civil engineering staff – it is a smart way of giving credibility to their technical competence."

Bill Darnell, while in the position of General Manager Technical, Opus International Consultants

"The National Diploma in Civil Engineering (Applied) provides an excellent programme where practical competencies are qualified relevant to the technician's academic learning. Fulton Hogan supports the NDCE (Applied) as an essential endorsement which provides technicians with credibility as they practically apply themselves to a career in infrastructure."

Lindsay Crossen, Group Civil Engineer, Fulton Hogan Ltd

BENEFITS OF THE NATIONAL DIPLOMA IN CIVIL ENGINEERING (APPLIED)

- The qualification focuses solely on Civil Engineering and provides a simple and easy to understand route for completion
- It provides a practical work-based qualification to meet the demands of the industry
- It is tailored specifically to the relevant aspect of work – Consulting, Contracting or Local Government
- It provides recognition of national and international competence standards
- The qualification is recognised as a replacement for the highly regarded NZCE (Civil)
- The theoretical component can be studied full-time or through block courses
- It provides a structured pathway to registration as a Certified Engineering Technician through IPENZ and Associate Membership of IPENZ



ENROLMENT INFORMATION

ENTRY REQUIREMENTS

The New Zealand Diploma in Engineering (Civil) is a prerequisite and can be completed before, or at the same time as working towards the *National Diploma in Civil Engineering (Applied)*.

HOW IS THE QUALIFICATION COMPLETED?

The *National Diploma in Civil Engineering (Applied)* is completed through the recognition of relevant work skills and knowledge, as these are gained on the job. The candidate collects evidence of these skills and knowledge in a workbook, for verification and then assessment against unit standards by an approved assessor.

The workbooks are provided by InfraTrain and explain what needs to be achieved to complete the qualification.

The following people play a key role in achieving a qualification on the job:

MENTOR

It is recommended that a mentor is assigned to the candidate. The mentor's role is to provide support and guidance. They may be a colleague, advisor or manager.

VERIFIER

A verifier is a person with industry experience who is appointed by the employer. The verifier's role is to observe and confirm work has been completed and the candidate is ready to be assessed.

ASSESSOR

The assessor is registered by InfraTrain and is assigned to the candidate after enrolment. The assessor's role is to assess work, which has been completed and verified, against the unit standards.

HOW LONG WILL IT TAKE?

The *National Diploma in Civil Engineering (Applied)* is a Level 6 qualification, comprising 132 credits. It is expected that this will take 2-5 years to complete, depending on the amount of experience.

COST

Two payment options are available:

- One-off Qualification Fee - \$1,289 plus GST, or
- A monthly fee of \$55 plus GST payable for a period of 24 months

This fee includes the initial cost of the graduate's application for IPENZ registration as a Certified Engineering Technician and application for Associate Membership (AIPENZ). On-going registration fees and subscriptions are not included.

This fee does not include the cost of assessment for the diploma. This cost is determined between the candidate and the assessor.

HOW TO ENROL

To enrol in the qualification, call 0800 486 626 to arrange for an InfraTrain regional advisor to complete a Training Plan and Training Agreement. The area of engineering work (Contractor, Local Government or Consultant) will need to be specified so the appropriate workbook can be provided.

The Training Plan can be viewed on www.infratraining.co.nz, under the Qualifications section.



TALK TO US

If you would like more information on the *National Diploma in Civil Engineering (Applied)* or would like to enrol in the qualification, please contact us.

0800 486 626
or email askus@infratrains.co.nz

InfraTrain New Zealand
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www.infratrains.co.nz