

National Diploma in Civil Engineering (Applied)

Level	6
Credits	132

This qualification is **expiring**. The last date to meet the requirements is 31 December 2014.

Purpose

This qualification aligns with The Institution of Professional Engineers New Zealand (IPENZ) Competence Standard for Engineering Technicians and IPENZ Associate Membership (AIPENZ).

It is intended for people who have completed an academic civil engineering diploma (see Special Notes below) and who have completed, or are completing, their early years of practice as a civil engineering technician. They may also be applying, or wish to apply, to IPENZ for AIPENZ. Holding this qualification demonstrates to IPENZ that a person has all the knowledge, skills, and professional attributes expected of a civil engineering technician, but does not automatically guarantee associate membership; this is ultimately at the discretion of IPENZ.

People who achieve this qualification are able to: demonstrate and apply civil engineering knowledge, sound judgement, and good practice as a civil engineering technician; identify, state, and analyse well-defined civil engineering problems; develop and evaluate solutions for well-defined civil engineering problems; demonstrate responsibility for, and manage, part or all of one or more well-defined civil engineering activities; apply risk management to well-defined civil engineering problems; apply social, cultural, safety, and environmental planning to well-defined civil engineering activities; communicate and interact effectively in the course of well-defined civil engineering activities; and maintain the currency of their own civil engineering knowledge and skills.

They are able to work professionally within the civil engineering sector and apply professional body rules and ethics to civil engineering practice.

This national diploma may lead on to a higher level non-NQF civil engineering qualification or a specialist level 6 or higher civil engineering qualification or qualifications that Infrastructure ITO may develop in the future. Alternatively it may be part of a learning pathway to any of a range of NQF or non-NQF related management and/or infrastructure asset management qualifications.

Replacement Information

This qualification replaced the National Diploma in Civil Engineering [Ref: 0881].

This qualification was replaced by the New Zealand Diploma in Engineering Practice (with strands in Civil Engineering, Electrical Engineering and Mechanical Engineering) [Ref: 1714].

Special Notes

Please note that compulsory standard 23410, *Demonstrate competent practice as a civil engineering technician*, which is worth 120 credits, has a significant prerequisite requirement, as follows:

One of the New Zealand qualifications listed below; or demonstrate equivalent knowledge and skills.

- Diploma in Engineering (Civil), Unitec
- Diploma in Engineering (Civil), Manukau Institute of Technology (MIT)
- Diploma in Engineering (Civil), Waikato Institute of Technology (WINTERC)
- Diploma in Engineering (Civil), NZ Institute of Highway Technology (NZIHT) in conjunction with Western Institute of Technology at Taranaki (WITT)
- Diploma in Engineering (Civil) (Level 6), Wellington Institute of Technology (WELTEC)
- Diploma in Engineering (Civil) (Level 6), Otago Polytechnic.

Credit Range

Level 5 credits	6
Level 3 or above credits	126
Total	132

Requirements for Award of Qualification

Award of NZQF National Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided on the New Zealand Qualifications Authority (NZQA) website: <http://www.nzqa.govt.nz/qualifications-standards/standards/standards-exclusion-list/>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Summary of Requirements

- Compulsory standards

Detailed Requirements

Compulsory

The following standards are required

Engineering and Technology > Civil Engineering > Civil Engineering - Generic

ID	Title	Level	Credit
17298	Work professionally within the civil engineering or asset management sector	6	6
17301	Apply professional body rules and ethics as a civil engineering or asset management practitioner	5	6
23410	Demonstrate competent practice as a civil engineering technician	6	120

Transition Arrangements

Version 2

Version 2 was issued to indicate that this qualification is expiring.

This qualification was replaced by the New Zealand Diploma in Engineering Practice (with strands in Civil Engineering, Electrical Engineering and Mechanical Engineering) [Ref: 1714].

Key differences between the two qualifications

- Unit standards 17298, 17301, and 23410 were replaced by newly developed unit standards which meet the requirements of industry.
- Six additional unit standards were developed for the electrical and mechanical engineering sectors – three for each sector.

The last date for assessments to take place is 31 December 2014. People who have fully or partially completed unit standard 23410 in the replaced National Diploma in Civil Engineering (Applied) [Ref: 1292] are able, at no extra cost, to have their Record of Achievement evaluated by the NZBED in terms of demonstrating equivalent knowledge and skills and will be awarded credit towards the Civil Engineering strand of the NZDEP [Ref: 1714].

These transition arrangements were determined when the NZDEP [Ref: 1714] was listed in 2011 and were not intended to disadvantage any existing candidates. However, anyone who feels disadvantaged by these transition arrangements may contact the ITO at the address below.

For detailed information see Review Summaries on the NZQA website.

Previous versions of the qualification

Version 1 was issued to replace the National Diploma in Civil Engineering [Ref: 0881]. The last date for award of the National Diploma in Civil Engineering [Ref: 0881] was 31 December 2010. The National Diploma in Civil Engineering [Ref: 0881] replaced the New Zealand Certificate in Engineering with the options 1004 Technician Certificate Civil, and 0102 Civil (NZCE with options 1004 and 1012). The NZCE will continue to be awarded as laid out in the Advanced Vocational Awards Handbook until 31 December 2008. People transferring from the NZCE with options 1004 and 1012 to the National Diploma in Civil Engineering [Ref: 0881] had until 31 December 2006 to apply to Infrastructure ITO.

Regarding compulsory standard 23410 within this qualification, people who have fully or partially completed the replaced National Diploma in Civil Engineering [Ref: 0881] are able, at no extra cost to themselves, to have their Record of Learning evaluated by Infrastructure ITO in terms of demonstrating equivalent knowledge and skills against the prerequisite for standard 23410.

Infrastructure ITO has contacted all those currently enrolled in the National Diploma in Civil Engineering [Ref: 0881] to negotiate individual transition plans. Any costs associated with the transfer to this replacement qualification will be borne by Infrastructure ITO.

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	June 2007	December 2014
Review	2	March 2013	December 2014

Standard Setting Body

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Certification

This certificate will display the logos of NZQA, Infrastructure ITO and the organisation that has been granted consent to assess against standards that meet the requirements of the qualification (accredited).

Classification

This qualification is classified according to the classification system listed on the Directory of Assessment Standards (DAS) and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

DAS Classification		NZSCED	
Code	Description	Code	Description
393	Engineering and Technology > Civil Engineering	030999	Engineering and Related Technologies > Civil Engineering > Civil Engineering not elsewhere classified

Quality Management Systems

Providers and Industry Training Organisations must be granted consent to assess by a recognised Quality Assurance Body before they can register credits from assessment against standards. Organisation with consent to assess and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Consent to assess requirements and the moderation system are outlined in the associated Consent and Moderation Requirements (CMR) for each standard.