

National Certificate in Plumbing, Gasfitting and Drainlaying (Introduction) (Level 2)

Level 2

Credits 120

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2022.

Transition Arrangements

This qualification is expiring and is not being replaced.

The last date for entry into programmes leading to the replaced qualification [Ref: 0077] is 31 December 2017, when the replaced qualification will be designated expiring.

The last date to meet the requirements of the replaced qualification will be 31 December 2022 when the qualification will be discontinued. From that date no results can be reported against the qualifications.

This qualification contains expiring unit standards (6400, 6401, 6402) which will be reinstated by 31 December 2015.

This qualification contained a standard that had expired and been replaced by another standard. For the purposes of this qualification people who have gained credit for the replacement standard are exempt from the requirement to gain credit for the expired standard – see table below.

Credit for	Exempt from
25662	5941

For detailed information see [Review Summaries](#) on the NZQA website.

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	April 2009	December 2021
Review	2	June 2015	December 2022

Standard Setting Body

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Reviewed

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Purpose

This entry level qualification provides a solid foundation and introduction for those interested in obtaining an apprenticeship and completing one or more of the Level 4 National Certificates in Plumbing [Ref: 0202], Gasfitting [Ref: 0201] and Drainlaying [Ref: 0077]. The qualification is suitable for delivery by off-job training providers, or a combination of school and off-job training providers.

Candidates are required to complete the core standards and most of the electives (choose a minimum of 99 credits from a total pool of 113). Candidates entering the qualification may have already completed some of the standards in the qualification in Gateway or in school programmes. A small amount of flexibility is available to accommodate different provider and workplace requirements, and for candidates to select standards that are specific to the strand that they are interested in (plumbing, gasfitting or drainlaying). A maximum of 23 credits (depending on electives) contribute from this qualification towards any one of the Level 4 National Certificates in Plumbing [Ref: 0202], Gasfitting [Ref: 0201] or Drainlaying [Ref: 0077].

Credit Range

	Compulsory	Elective
Level 1 credits	9	0-2
Level 2 credits	10	87-97
Level 3 credits	2	0-10
Minimum totals	21	99

Requirements for Award of Qualification

Award of NQF 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 in section 7 of the New Zealand Qualifications Authority (NZQA) *Rules and Procedures* publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

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
- Elective – A minimum of 99 credits as specified

Detailed Requirements

Compulsory

The following standards are required

Core Generic > Core Generic > Work and Study Skills

ID	Title	Level	Credit
504	Produce a CV (curriculum vitae)	1	2
4249	Demonstrate care and timeliness as an employee	1	3

Health > Health Studies > Core Health

ID	Title	Level	Credit
6400	Manage first aid in emergency situations	3	2
6401	Provide first aid	2	1
6402	Provide resuscitation level 2	1	1

Health > Occupational Health and Safety > Occupational Health and Safety Practice

ID	Title	Level	Credit
497	Demonstrate knowledge of workplace health and safety requirements	1	3

Planning and Construction > Construction > Construction Health and Safety, and Injury Prevention

ID	Title	Level	Credit
21209	Demonstrate knowledge of and carry out health and safety procedures for a building construction site	2	4

Planning and Construction > Construction Trades > Building, Construction, and Allied Trades Skills

ID	Title	Level	Credit
25333	Demonstrate knowledge of the plumbing industry within a BCATS environment	2	2

Planning and Construction > Plumbing, Gasfitting and Drainlaying > Core Plumbing, Gasfitting, and Drainlaying

ID	Title	Level	Credit
25425	Apply mathematics relevant to plumbing, gasfitting and drainlaying	2	3

Elective

A minimum of 99 credits

Business > Business Operations and Development > Business Studies

ID	Title	Level	Credit
25424	Demonstrate knowledge of factors that impact on businesses	3	4

Computing and Information Technology > Computing > Generic Computing

ID	Title	Level	Credit
5941	Exchange messages using electronic mail	2	2

Engineering and Technology > Mechanical Engineering > Engineering - Measurement

ID	Title	Level	Credit
4432	Demonstrate knowledge of, and convert, units of measure used in engineering	2	2

Engineering and Technology > Mechanical Engineering > Welding

ID	Title	Level	Credit
2678	Join metals with the oxyacetylene welding process	3	6
21907	Demonstrate and apply knowledge of safe welding procedures under supervision	2	3

Humanities > Communication Skills > Interpersonal Communications

ID	Title	Level	Credit
9677	Participate in a group/team which has an objective(s)	2	3
10791	Participate in an informal meeting	2	3

Humanities > Communication Skills > Writing

ID	Title	Level	Credit
3490	Complete an incident report	1	2

Planning and Construction > Construction Trades > Basic Residential Property Maintenance

ID	Title	Level	Credit
25068	Perform basic residential plumbing maintenance under supervision	2	5

Planning and Construction > Construction Trades > Building, Construction, and Allied Trades Skills

ID	Title	Level	Credit
12933	Complete minor concrete works as a BCATS project	2	4
24353	Demonstrate knowledge of and create sketches and drawings for BCATS projects	2	6
24357	Receive instructions and communicate information in relation to BCATS projects	2	4
25322	Demonstrate knowledge of the drainlaying industry within a BCATS environment	2	2
25327	Demonstrate knowledge of the gasfitting industry within a BCATS environment	2	2

Planning and Construction > Plumbing, Gasfitting and Drainlaying > Core Plumbing, Gasfitting, and Drainlaying

ID	Title	Level	Credit
2139	Soft solder metal joints	2	3
21883	Demonstrate knowledge of hazards and precautions for working with gas in plumbing, gasfitting, or drainlaying	2	3
25413	Draw and form simple patterns for plumbing and gasfitting sheet metal components	2	3
25414	Cut and join sheet metal for plumbing and gasfitting components	2	2
25415	Demonstrate knowledge of energy efficiency and conservation relevant to plumbing and gasfitting	2	6
25416	Describe, identify and interpret drawings for plumbing, gasfitting and drainlaying	2	4
25417	Describe building components and prepare for mounting plumbing and gasfitting equipment	2	3
25418	Describe environmentally considerate processes for the plumbing, gasfitting and drainlaying industry	2	3
25419	Demonstrate knowledge of sanitary plumbing systems and components	2	3
25420	Demonstrate knowledge of cold water supply systems in buildings	2	2
25421	Mark out, cut, join and test pipework for plumbing, gasfitting and drainlaying	2	6
25422	Demonstrate knowledge of hot water storage systems for plumbing and gasfitting	2	3

ID	Title	Level	Credit
25423	Establish position and gradient of drains, and dig trenches for plumbing, gasfitting and drainlaying	2	5
25426	Demonstrate knowledge of electrical safety for plumbing, gasfitting and drainlaying	2	3

Planning and Construction > Plumbing, Gasfitting and Drainlaying > Drainlaying

ID	Title	Level	Credit
1120	Identify and describe hand tools and checking equipment for drainlaying	2	2
1121	Identify and describe trade equipment and power tools used for drainlaying	2	2

Planning and Construction > Plumbing, Gasfitting and Drainlaying > Gasfitting

ID	Title	Level	Credit
2114	Identify and describe hand tools and testing equipment for gasfitting	2	2
2115	Identify and describe trade equipment and power tools for gasfitting	2	1

Planning and Construction > Plumbing, Gasfitting and Drainlaying > Plumbing

ID	Title	Level	Credit
2136	Identify and describe hand tools and testing equipment for plumbing	2	2
2137	Identify and describe trade equipment and power tools used for plumbing	2	1

Service Sector > Service Sector Skills > Service Sector - Core Skills

ID	Title	Level	Credit
57	Provide customer service in given situations	2	2

Other standard setting bodies whose standards are included in the qualification

Building and Construction Industry Training Organisation
 Competenz
 New Zealand Industry Training Organisation
 NZQA

Certification

The certificate will display the logos of NZQA, The Skills Organisation and the accredited organisation.

Classification

This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

NQF Classification		NZSCED	
Code	Description	Code	Description
229	Planning and Construction > Plumbing, Gasfitting and Drainlaying	040327	Architecture and Building > Building > Plumbing, Gasfitting and Drainlaying

Quality Management Systems

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.

Review