

National Certificate in Plumbing

Level 4

Credits 219

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

Transition Arrangements

This qualification has been reviewed and replaced by the New Zealand Certificate in Plumbing (Level 4) [Ref: 2663].

The last date for entry into programmes leading to the replaced qualification [Ref: 0202] 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.

People currently working towards the replaced qualification may either complete the requirements by 31 December 2022 or transfer their results to the replacement qualification.

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

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

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	September 1996	December 2011
Revision	2	April 1998	December 2011
Revision	3	April 2005	December 2011
Review	4	January 2008	December 2022
Review	5	June 2015	December 2022

Standard Setting Body

The Skills Organisation
 Freepost 5164
 PO Box 24-469
 Royal Oak
 Auckland 1345

Telephone 0508 SKILLS (0508 754 557)
Facsimile 09 525 2591
Email info@skills.org.nz
Website <http://www.skills.org.nz>

Reviewed

National Certificate in Plumbing

Level	4
Credits	219

Purpose

This qualification recognises competence in the plumbing trade. Holders of this qualification are able to establish line, level, and gradient, and excavate and trench. They are able to demonstrate knowledge and skills in: use of plumbing tools and equipment; the installation and necessary maintenance of plumbing pipework, ducting, backflow prevention devices, hot and cold water supply systems, structures and fittings, appliances and fixtures, roofing and rainwater handling systems, claddings, and flashings, and heating systems; health, safety, and emergency requirements relating to plumbing activities; good work habits, customer services and relations, and ethical behaviour; job requirements and job costing factors; drawing patterns; and constructing sheet metal products.

This qualification shares unit standards in common with the National Certificate in Drainlaying [Ref: 0077] and the National Certificate in Gasfitting [Ref: 0201]. People undertaking or completing the National Certificate in Plumbing [Ref: 0202] often complete the National Certificate in Gasfitting [Ref: 0201] and vice versa.

People awarded this qualification may apply for registration as a plumber under the Plumbers, Gasfitters, and Drainlayers Act 2006. Registration will be dependent on the applicant meeting additional Plumbers, Gasfitters and Drainlayers Board (PGDB) requirements. The PGDB, in accordance with the Plumbers, Gasfitters, and Drainlayers Act 2006, reserves the right at all times to register or not register.

Credit Range

Level 1 credits	7
Level 2 credits	16
Level 3 credits	60
Level 4 credits	136
Total	219

Requirements for Award of Qualification

- Compulsory standards

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.

Detailed Requirements**Compulsory**

The following standards are required

Core Generic > Core Generic > Work and Study Skills

ID	Title	Level	Credit
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
18426	Demonstrate knowledge of hazards associated with confined space	3	4

Humanities > Communication Skills > Writing

ID	Title	Level	Credit
3490	Write an incident report	1	3

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

ID	Title	Level	Credit
15757	Employ fall arrest systems on building and construction sites	3	4
21209	Demonstrate knowledge of and carry out health and safety procedures for a building construction site	2	4

Planning and Construction > Construction Trades > Core Construction

ID	Title	Level	Credit
2138	Demonstrate knowledge of asbestos and safety procedures	2	1

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

ID	Title	Level	Credit
1099	Excavate and trench for plumbing, gasfitting, or drainlaying	3	9
1122	Establish line, level, and gradient for plumbing or drainlaying	3	4
2157	Install and maintain air heating and ventilation ducting and equipment	3	5
21879	Determine job requirements and describe job pricing factors for plumbing, gasfitting, or drainlaying	3	3
21881	Describe ethical and legal considerations for plumbing, gasfitting, or drainlaying services	2	2
21882	Interpret drawings and specifications and draw drawings for plumbing, gasfitting, or drainlaying	4	6
21883	Demonstrate knowledge of hazards and precautions for working with gas in plumbing, gasfitting, or drainlaying	2	3
21887	Draw patterns and construct sheet metal products for plumbing or gasfitting requirements	4	5
23845	Demonstrate metal welding for plumbing or gasfitting	3	9

Planning and Construction > Plumbing, Gasfitting and Drainlaying > Plumbing

ID	Title	Level	Credit
2117	Install, test, and maintain water supply backflow prevention devices	4	11
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
2143	Install, secure, and maintain water supply pipework in buildings	3	11
2144	Install, secure, and maintain foulwater systems	4	22
2149	Select, install, and maintain pumps and controls for water supply and disposal systems in plumbing	4	10
2153	Install and maintain solid fuel space heaters and flues	4	6
2159	Demonstrate knowledge of the installation and maintenance of compressed air and vacuum services	3	4
21884	Install and maintain roofing, rainwater handling, and cladding systems, and flashings	4	25

ID	Title	Level	Credit
21885	Install and maintain sanitary appliances and fixtures	4	10
21886	Demonstrate knowledge of specialist sanitary appliances and fixtures	3	5
23849	Install and maintain water mains and water supply systems and reticulation	4	8
23850	Install, commission, and maintain low pressure, open-vented, and push-through hot water supply systems	4	10
23851	Install, commission, and maintain valve-vented hot water supply systems	4	16
24305	Install, test, commission, and maintain solar water heating systems	4	7

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

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

Transition Arrangements

Version 4

Version 4 was issued following the review of the Plumbing, Gasfitting, Drainlaying, and the Core Construction unit standards.

Changes to structure and content

- The total credits increased from 192 to 219
- Unit standards 57, 1122, 3490, 4249, 6400-6402, 15757, 18426, 21209, 21879, 21881-21883, and 24305 were added
- Expiring unit standards 2156, 2158, and 2162 were replaced by unit standards 21886, 21887, and 23845 respectively
- Unit standards 2145, 2160 and 2161 were replaced by unit standard 23849
- Unit standards 2147, 2163, 2164, and 2165 were replaced by unit standard 21884
- Unit standard 2151 was replaced by unit standards 23850 and 23851
- Unit standards 2154 and 2155 were replaced by unit standard 21885
- Unit standards 1102, 2139, 2140, and 2142 were removed
- Unit standard titles, levels, and credit values were updated to reflect changes made in the unit standard review.

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

People currently enrolled in programmes leading to the award of previous versions of this qualification may either complete that version, or transfer to this version. The last date for entry to training programmes for previous versions of this qualification is 31 December 2008.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
2158	21887
2162	23845
2156	21886
2145, 2160, 2161	23849
2147, 2163, 2164, 2165	21884
2151	23850, 23851
2154, 2155	21885

It is not intended that anyone is disadvantaged by this review, and the above arrangements have been designed for a smooth transition. However, anyone who feels they have been disadvantaged may appeal to the Plumbing, Gasfitting and Drainlaying Industry Training Organisation at the address given below.

Previous versions of the qualification

Version 3 was issued in order to remove unit standard 2141 from the requirements, as this unit standard was no longer required by industry. Changes were also made to the purpose statement as the requirements for registration as a plumber were incorrectly stated. The qualification document format was updated in the process and the expired Transition Action Plan (TAP) removed.

Version 2 was issued to take account of reviewed unit standard 2117.

Version 1 of this qualification replaced the **Trade Certificate in Plumbing**. Transition arrangements from the Trade Certificate to this National Certificate expired in December 1998 and the last date for award of the Trade Certificate in Plumbing was December 1999. For further information regarding the expired TAP please contact the Plumbing, Gasfitting and Drainlaying ITO Ltd (contact details below).

Other standard setting bodies whose standards are included in the qualification

Building and Construction Industry Training Organisation
 New Zealand Industry Training Organisation – Industrial Health and Safety Advisory Group
 NZQA

Certification

The certificate will display the logos of NZQA and the Plumbing, Gasfitting and Drainlaying ITO Ltd.

Classification

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

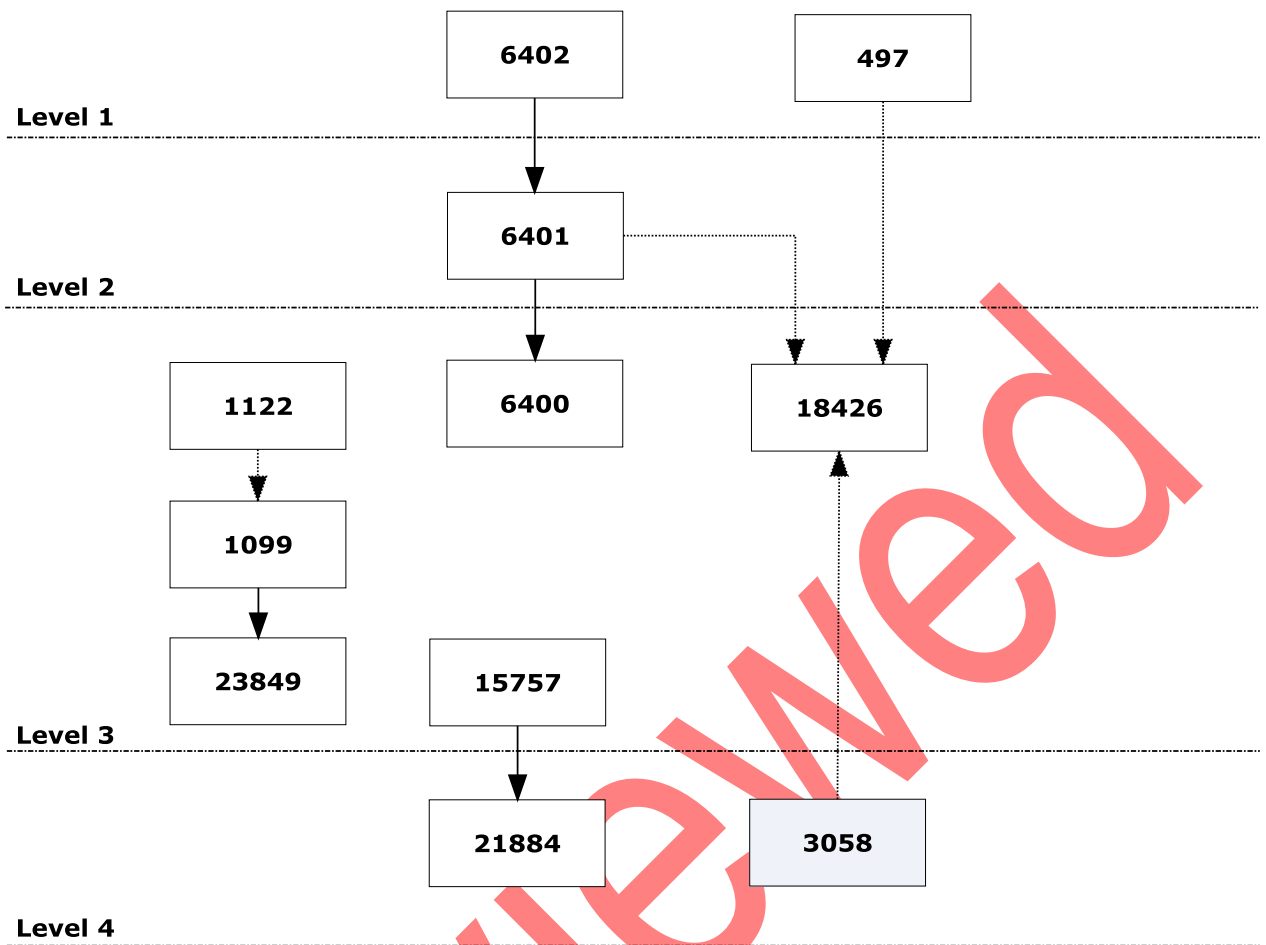
DAS Classification		NZSCED	
Code	Description	Code	Description
331	Planning and Construction > Plumbing, Gasfitting and Drainlaying > Plumbing	040327	Architecture and Building > Building > Plumbing, Gasfitting and Drainlaying

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

Prerequisite Diagram



Key

- ▶ Prerequisite
- ⋯▶ Recommended for entry
- Not in this qualification