

National Certificate in Motor Industry (Panelbeating)

Level	4
Credits	198

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2016.

Purpose

The National Certificate in Motor Industry (Panelbeating) is designed for people who are in the panelbeating sector of the motor industry. It is also for those wishing to maintain standards within the industry and a means of recognising prior learning for those already in the industry.

A number of unit standards within this qualification are also included in the National Certificates in Motor Industry (Automotive Refinishing) and (Coachbuilding). This reflects the national standards required by industry, and enables trainees to transfer their achievements to those qualifications.

Holders of this certificate will be able to work in a safe and professional manner, communicate with customers, and be able to repair structural and non-structural damage on a vehicle. They will also be able to weld using the MIG, and oxy-acetylene processes and have knowledge of the current legislation associated with the trade, and a knowledge of estimating and quoting.

This certificate is now linked to an exit point for industry recognition purposes, where apprentices will receive a NZ Motor Industry Training Organisation (MITO) certificate for credits achieved. Details regarding industry recognition, industry registration, and entry and exit points for the apprenticeship can be obtained from the MITO in the first instance.

A record of achievement book will be required by industry trainees for the purposes of recording assessment results and to show progress through the requirements of the qualification. This qualification is one of the criterion for registration with MITO as an Panelbeater and as an A-grade Panelbeater.

Replacement Information

This qualification, the National Certificate in Motor Industry (Automotive Dismantling and Recycling) [Ref: 0170], the National Certificate in Motor Industry (Automotive Refinishing) [Ref: 0178], the National Certificate in Motor Industry (Vehicle Grooming) [Ref: 0213], and the National Certificate in Motor Industry (Coachbuilding) with strands in Passenger Service Vehicles, Commercial Vehicles, and Motor Homes and Caravans [Ref: 0413] have been replaced by the National Certificate in Motor Industry (Automotive Body) with strands in Coachbuilding, Collision Repair, Dismantling and Recycling, Refinishing, and Vehicle Detailing [Ref: 1413] and the National Certificate in Motor Industry (Automotive Body) (Level 4) with strands in Coachbuilding, Collision Repair, and Refinishing [Ref: 1414].

Special Notes

It is expected that most people will undertake training towards this qualification in the form of an apprenticeship with the use of training manuals and record of achievement books. It is recommended that in the first instance a “training plan” is developed with the assistance of a NZ Motor Industry Training Organisation representative.

Applications for recognition of prior learning should be made to the NZ Motor Industry Training Organisation or accredited training providers. Credits are not automatic and normally an assessment of ability is required.

Credit Range

	Compulsory	Elective
Level 1 credits	6	0-14
Level 2 credits	53	0-14
Level 3 credits	72	0-14
Level 4 credits	53	0-14
Minimum totals	184	14

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
- Elective – A minimum of 14 credits as specified

Detailed Requirements

Compulsory

The following standards are required

Engineering and Technology > Motor Industry > Automotive Electrical and Electronics

ID	Title	Level	Credit
233	Service an automotive battery	2	2
3864	Identify, remove and replace motor vehicle lamps in the motor industry	1	1
5742	Protect electronics when repairing a vehicle in the motor industry	3	6
5757	Remove and replace damaged vehicle wiring	3	3

Engineering and Technology > Motor Industry > Automotive Plastic Repair

ID	Title	Level	Credit
876	Repair plastic automotive components	3	7

Engineering and Technology > Motor Industry > Automotive Workshop Engineering

ID	Title	Level	Credit
3879	Carry out general engineering tasks in the motor body industry	2	4

Engineering and Technology > Motor Industry > Engine Repairs

ID	Title	Level	Credit
3887	Identify, remove, and replace exterior engine components in the motor body industry	2	2

Engineering and Technology > Motor Industry > Panelbeating

ID	Title	Level	Credit
5738	Cut metals to predetermined specifications on and off a vehicle	2	2
5741	Use and maintain a hydraulic body jack and attachments in the motor industry	3	2
5743	Identify the characteristics, uses, and the effect of heat on metals in the motor industry	3	3
5744	Identify crush zones and the effect of impact on a vehicle	3	3

ID	Title	Level	Credit
5753	Remove and replace damaged vehicle cooling system parts	3	3
5754	Remove, replace, and repair a vehicle exhaust system	3	2
5755	Remove and refit a vehicle dash panel and adjacent fittings	4	6
5758	Repair a severely damaged motor vehicle steel panel	3	6
5759	Remove, replace and repair damaged motor vehicle bumpers	3	6
5760	Replace a damaged motor vehicle door skin	3	5
5766	Demonstrate knowledge of working on motor vehicle safety systems	3	4
5768	Remove and replace a motor vehicle fuel tank	3	2
5771	Use and maintain a metal-arc gas shield (MIG) welding plant in the motor industry	4	5
5772	Identify motor vehicle suspension, steering, and brake systems, and the effects of collision	4	6
5773	Align and repair structural damage on a motor vehicle	4	15
5774	Carry out a full and sectional panel replacement on motor vehicle panels	4	15
15657	Remove and replace damaged suspension parts	3	3

Engineering and Technology > Motor Industry > Vehicle Bodywork

ID	Title	Level	Credit
882	Rectify faults associated with vehicle body exterior trim components	3	3
945	Remove and replace window glass on vehicles	3	4
2629	Demonstrate knowledge of, and work in proximity to, motor vehicle air bag mechanisms	3	2
3856	Identify emergency procedures in the motor and related industries	2	2
3860	Plan the method of carrying out a job in the motor and related industries	1	2
3861	Remove and replace exterior motor body parts and fit body protection mouldings in the motor industry	2	3
3862	Remove and replace damaged bolted on motor body panels in the motor body industry	2	3
3863	Remove and replace road wheels in the motor industry	1	1
3865	Fill and sand a repair in the motor body industry	2	2
3867	Prepare a painted surface and feather edge paint damage in the motor body industry	2	3

ID	Title	Level	Credit
3870	Prepare bare metal for painting in the motor body industry	2	2
3875	Shrink a panel repair in the motor body industry	2	2
3883	Identify and use fastening systems in the motor industry	2	4
3885	Demonstrate knowledge of and use an oxy-acetylene welding plant in the motor body industry	2	4
3886	Remove and replace motor vehicle interior trim in the motor body industry	2	3
5739	Maintain security in the workplace in the motor and related industries	2	2
5740	Demonstrate knowledge of vehicle identification plates and specifications	2	1
5746	Identify and prevent corrosion in the motor industry	3	3
5763	Identify and dispose of hazardous waste materials in the motor and related industries	3	3
5767	Demonstrate knowledge of current legislation in the motor industry	3	2
5777	Identify the procedures to carry out an estimate and quotation in the motor body industry	4	6
16098	Perform safe work practices in the motor industry	2	4
16099	Use and maintain power tools and equipment in the motor body industry	2	4
16100	Repair minor non-stretched panel damage and metal finish the repair in the motor body industry	2	4

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

ID	Title	Level	Credit
56	Attend to customer enquiries face-to-face and on the telephone	1	2

Elective

A minimum of 14 credits

Field	Subfield	Domain
Engineering and Technology	Motor Industry	Any

Transition Arrangements

Version 5

Version 5 was issued to extend the expiry date of this qualification.

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

Previous versions of the qualification

Version 4 was issued to indicate that this qualification is expiring.

This qualification, the National Certificate in Motor Industry (Automotive Dismantling and Recycling) [Ref: 0170], the National Certificate in Motor Industry (Automotive Refinishing) [Ref: 0178], the National Certificate in Motor Industry (Vehicle Grooming) [Ref: 0213], and the National Certificate in Motor Industry (Coachbuilding) with strands in Passenger Service Vehicles, Commercial Vehicles, and Motor Homes and Caravans [Ref: 0413] have been replaced by the National Certificate in Motor Industry (Automotive Body) with strands in Coachbuilding, Collision Repair, Dismantling and Recycling, Refinishing, and Vehicle Detailing [Ref: 1413] and the National Certificate in Motor Industry (Automotive Body) (Level 4) with strands in Coachbuilding, Collision Repair, and Refinishing [Ref: 1414].

Version 3 was issued in order to extend the last date for the award of version 1 to December 2002. The content of the qualification was not changed.

Version 2 was issued in as part of the Motor Industry unit standard review.

Changes to structure and content

- credit total has increased from 172 to 198;
- the structure has been amended to include an elective section;
- unit standards 57, 912, 913, 5745, 5747, 5748, 5750, 5752, 5756, 5761, 5769, have been removed following changes to industry technology requirements;
- unit standards 5749, 5751, 5756, 5762, 5764, 5765, 5770, 5775, 5776 are no longer specified, however, credit for them can be used to meet the requirements of the elective section;
- additional unit standards include replacements for expiring unit standards 3854, 3855, 3857, 3858, 3859, 3866, 3878 and 5769 (see table below);
- removal of prerequisite qualification the National Certificate in Motor Industry (Entry to Motor Body Trades) [Ref: 0018];
- addition of unit standards 56, 233, 3856, 3860, 3861, 3862, 3863, 3864, 3865, 3867, 3870, 3875, 3879, 3883, 3885, 3886, 3887, 15657, 16098, 16099 and 16100. Many of these unit standards were previously covered by being included in the prerequisite qualification;
- the change of domain of unit standard 5742 from *Panelbeating* to *Automotive Electrical and Electronics*.

People may choose to stay on their existing programme leading to version 1 or to transfer to this version. All versions of the qualification are acceptable to NZ Motor Industry Training Organisation.

All existing trainees are encouraged to transfer their existing achievements to this version of the qualification, through consultation with MITO and the use of training plans.

All existing training providers and MITO Regional Managers have been notified of the changes and all new programmes and apprenticeships from January 2001 lead to the award of this version of the qualification.

This qualification contains unit standards that are replacements of earlier unit standards. For the purposes of this qualification people who have gained credit for any of the expiring unit standards will be exempt from the requirement to gain credit for the replacement unit standard.

Credit for	Exempt from
3854, 3855, 3857	16098
3858, 3859	16099
3866, 3878	16100
5769	15657

Any person who considers they have been disadvantaged by these transition arrangements is requested to contact the NZ Motor Industry Training Organisation.

Version 1 was registered in May 1996 and replaced the Trade Certificate and Advanced Trade Certificate in Panelbeating. The transition period for the qualification finished in December 1998.

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	May 1996	December 2002
Review	2	April 1999	December 2012
Revision	3	November 2000	December 2012
Review	4	August 2008	December 2012
Revision	5	November 2010	December 2016

Standard Setting Body

NZ Motor Industry Training Organisation (Incorporated)
 PO Box 10803
 The Terrace
 Wellington 6143

Telephone 0800 88 21 21
 Facsimile 04 494 0006
 Email info@mito.org.nz

Other standard setting bodies whose standards are included in the qualification

NZQA

Certification

This certificate will display the logos of NZQA, the NZ Motor Industry Training Organisation (Incorporated) 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
257	Engineering and Technology > Motor Industry	030511	Engineering and Related Technologies > Automotive Engineering and Technology > Panel Beating

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. 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.