

National Certificate in Furniture (Level 3) with strands in Finishing, Machine Operator, Furniture Making, Frame Making, Upholstery, Upholstery Cutting, and Upholstery Sewing

Level 3

Credits 53-71

This qualification has been reviewed. The last date to meet the requirements is 31 December 2019.

Transition Arrangements

This qualification was republished in April 2019 to include reverse transition arrangements for expired unit standard 25547.

This qualification was republished in June 2016 to extend the last date for entry from 31 December 2016 to 31 December 2017.

This qualification was reviewed and replaced by the New Zealand Certificate in Furniture (Level 3) with strands in Cabinetmaking, Furniture Finishing, and Upholstery [Ref: 2781].

The last date for entry into programmes leading to this qualification was 31 December 2017.

The last date for assessments to take place for this qualification is 31 December 2019 when the qualification will be discontinued.

People currently working towards this qualification may either complete the requirements by 31 December 2019 or transfer their results to the replacement qualification.

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

Reverse Transition

This qualification contains an expired unit standard which has been replaced. For the purposes of this qualification, people who have gained credit for the replacement unit standard are exempt from the requirement to gain credit for the expired unit standard – see table below.

Credit for	Exempt from
28733	25547

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	July 2009	September 2009
Revision	2	September 2009	December 2013
Review	3	July 2010	December 2015
Revision	4	February 2014	December 2019
Review	5	July 2015	December 2019
Republication	5	June 2016	December 2019
Republication	5	April 2019	December 2019

Standard Setting Body

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Purpose

This qualification is designed to develop the knowledge and operational competence of people working in furniture manufacturing operations. On completion candidates will be able to carry out their duties safely, efficiently and to a high standard.

The core compulsory contains standards that relate to troubleshooting in a furniture operation, and competitive manufacturing. The core elective offers a range of standards relating to key operational skills that may be required in the furniture manufacturing industry. In addition, candidates select a strand which allows them to develop industry specific skills that are most suited to their role and workplace.

This qualification follows on from National Certificate in Furniture (Level 2) with strands in Introductory Furniture Finishing Skills, Introductory Furniture Making Skills, and Introductory Upholstery Skills [Ref: 1502]. People who complete this qualification may wish to continue onto the National Certificate in Furniture (Level 4) with strands in Furniture Design and Markets, Craft Finisher, Machine Setter, Furniture Maker, Advanced Upholstery, and Computer Numerical Controlled Machinery (CNC) [Ref: 1504]. Candidates should refer to the diagram in Appendix 1 and examine the relationships between the strands for this and the Level 4 qualification.

Replacement Information

This qualification replaced the National Certificate in Furniture (Manufacturing Upholstery Cutting) (Level 3) [Ref: 0619], the National Certificate in Furniture (Manufacturing Upholstery Sewing) (Level 3) [Ref: 0620], the National Certificate in Furniture (Restoration and Recovery Upholstery) (Level 3) [Ref: 0622], the National Certificate in Furniture Making (Level 3) [Ref: 0965], and the National Certificate in Furniture Finishing (Level 3) [Ref: 1180].

Special Notes

- It is recommended that candidates hold the National Certificate in Furniture (Level 2) with strands in Introductory Furniture Finishing Skills, Introductory Furniture Making Skills, and Introductory Upholstery Skills [Ref: 1502], or demonstrate equivalent knowledge and skills before they commence this qualification.
- The diagram in Appendix 1 illustrates pathways between Furniture qualifications at Levels 2, 3 and 4.

Credit Range

	Core Compulsory	Core Elective 1	Core Elective 2
Level 2 credits	-	-	0-6
Level 3 or above credits	4	10	6-9
Minimum totals	4	10	9

	Finishing Strand			Machine Operator Strand		
	C	EA	EB	C	EA	EB
Level 2 credits	5	-	-	7	0-6	-
Level 3 or above credits	25	3-5	5	19	6-12	10
Minimum totals	30	3	5	26	12	10
Qualification total with strand	61			71		

	Furniture Making Strand			Frame Making Strand	
	C	EA	EB	C	E
Level 2 credits	-	-	-	10	-
Level 3 or above credits	17	8	10	13	12
Minimum totals	17	8	10	23	12
Qualification total with strand	58			58	

	Upholstery Strand			Upholstery Cutting Strand	
	C	EA	EB	C	E
Level 2 credits	17	0-3	-	4	-
Level 3 or above credits	18	0-3	10	18	8
Minimum totals	35	3	10	22	8
Qualification total with strand	71			53	

	Upholstery Sewing Strand	
	C	E
Level 2 credits	4	-
Level 3 or above credits	34	4
Minimum totals	38	4
Qualification total with strand	65	

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.

Core Compulsory

The following standard is required

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

ID	Title	Level	Credit
17602	Apply hazard identification and risk assessment procedures in the workplace	3	4

Core Elective 1

A minimum of 10 credits

Manufacturing > Furniture > Furniture Operations

ID	Title	Level	Credit
25670	Troubleshoot a furniture production issue in a furniture operation with support from business information systems	3	8

Manufacturing > Manufacturing Skills > Competitive Manufacturing

ID	Title	Level	Credit
21502	Sustain process improvements in a competitive manufacturing organisation	3	3

Manufacturing > Manufacturing Skills > Manufacturing Processes

ID	Title	Level	Credit
21332	Demonstrate basic knowledge of establishing improvements in a manufacturing environment	3	2
21333	Demonstrate basic knowledge of workflow management in a manufacturing environment	3	4

Core Elective 2

A minimum of 9 credits

Computing and Information Technology > Computing > Generic Computing

ID	Title	Level	Credit
24872	Produce documents for a workplace using a computer	3	3

Health > Health Studies > First Aid

ID	Title	Level	Credit
26551	Provide first aid for life threatening conditions	2	1
26552	Demonstrate knowledge of common first aid conditions and how to respond to them	2	1

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

ID	Title	Level	Credit
20645	Describe the requirements of the HSNO Act 1996 relevant to approved handlers	3	3
20733	Demonstrate knowledge of safe storage and handling of hazardous substances in the workplace	3	4

Manufacturing > Furniture > Furniture Making

ID	Title	Level	Credit
14996	Construct working drawings for use in furniture making	3	5
14998	Construct isometric and oblique drawings for use in furniture making	3	3

Manufacturing > Supply Chain Management > Materials Management

ID	Title	Level	Credit
17242	Receive inwards goods and/or materials at a manufacturing or industrial site	2	4
17248	Dispatch goods and/or materials from a manufacturing or industrial site	3	6

Service Sector > Driving > Driver Licence Endorsements

ID	Title	Level	Credit
18496	Demonstrate knowledge and skills for driving a forklift on a road for endorsement F (forklifts)	3	2

Service Sector > Lifting Equipment > Powered Industrial Lift Trucks

ID	Title	Level	Credit
10851	Operate a powered industrial lift truck (forklift)	3	7

Finishing Strand

Meet the requirements of all of the following sets

- Finishing Strand Compulsory
- Finishing Strand Elective A
- Finishing Strand Elective B

Finishing Strand Compulsory

The following standards are required

Manufacturing > Furniture > Furniture Finishing

ID	Title	Level	Credit
2206	Demonstrate knowledge of safety requirements and safely handle hazardous substances used in furniture finishing	2	2
2208	Select and mix stain for application to furniture surfaces	3	8

ID	Title	Level	Credit
2209	Select and mix clear preparation coating for application to furniture surfaces	3	5
3155	Prepare and apply clear top coats to furniture surfaces	3	6
25527	Set up and maintain conventional spray equipment for furniture finishing	3	6

Manufacturing > Furniture > Furniture Operations

ID	Title	Level	Credit
25570	Demonstrate knowledge of abrasives used in furniture production	2	3

Finishing Strand Elective A

A minimum of 1 standard

Manufacturing > Furniture > Furniture Finishing

ID	Title	Level	Credit
17637	Remove existing coatings, and prepare furniture surfaces for finishing	3	3
25528	Set up and maintain air-assisted spray equipment for furniture finishing	3	5

Finishing Strand Elective B

A minimum of 5 credits at Level 3 or above

Field	Subfield	Domain
Manufacturing	Furniture	Any

Machine Operator Strand

Meet the requirements of all of the following sets

- Machine Operator Strand Compulsory
- Machine Operator Strand Elective A
- Machine Operator Strand Elective B

Machine Operator Strand Compulsory

The following standards are required

Manufacturing > Furniture > Furniture Making

ID	Title	Level	Credit
9785	Set and operate a flat bed sander to sand wooden furniture components	2	4
18900	Make wood machining jigs for sawing, boring, sanding, and planing machines	3	4
18903	Set a straight cutting saw to cut furniture components	3	4
25536	Operate a bandsaw to produce furniture components	2	3

ID	Title	Level	Credit
25537	Set a bandsaw to cut furniture components	3	4
25552	Set and operate a surface planer to bevel, rebate, and taper wooden furniture components	3	4
25553	Set and operate a thicknesser to splay and taper wooden furniture components	3	3

Machine Operator Strand Elective A

A minimum of 12 credits

Manufacturing > Furniture > Furniture Making

ID	Title	Level	Credit
2220	Set and operate a single boring machine to bore holes in furniture components	2	4
2224	Operate a wide belt sanding machine to sand wooden furniture components	3	2
2226	Operate a four sider to produce wooden furniture components	3	3
2229	Operate a Computer Numerical Controlled (CNC) machine to produce furniture components	3	4
2236	Operate a multi-borer to bore furniture components	3	4
2250	Set a Computer Numerical Controlled (CNC) machine centre	4	6
9784	Set and operate a triple borer machine to bore furniture components	3	4
9786	Set and operate a sanding machine to sand shaped furniture components	2	2
9789	Operate a spindle moulder to produce wooden furniture components	3	2
9790	Operate an overhead router to shape furniture components	3	2
9791	Operate an automatic wood-turning lathe to turn wooden furniture components	3	2
9792	Operate a dovetailing machine to dovetail wooden drawers	3	2
18894	Operate an automatic feed edge-banding machine to edge furniture panels	3	2
18907	Set and operate a manual feed edge-banding machine to edge furniture panels	3	2
25538	Operate a round-ended tenoner to tenon wooden furniture components	3	2
25539	Operate a slot mortiser to mortise wooden furniture components	3	3
25564	Operate a Computer Numerical Controlled (CNC) beamsaw	3	4

Machine Operator Strand Elective B

A minimum of 10 credits at Level 3 or above

Field	Subfield	Domain
Manufacturing	Furniture	Any

Furniture Making Strand

Meet the requirements of all of the following sets

- Furniture Making Strand Compulsory
- Furniture Making Strand Elective A
- Furniture Making Strand Elective B

Furniture Making Strand Compulsory

The following standards are required

Manufacturing > Furniture > Furniture Making

ID	Title	Level	Credit
2201	Design and construct an assembly jig for wooden furniture	3	4
18897	Edge joint materials used in furniture making to make a flat panel	3	3
25547	Calculate material quantities from a cutting list or furniture drawing	4	4
25555	Assemble a manufactured board shelving unit	3	3

Manufacturing > Furniture > Furniture Operations

ID	Title	Level	Credit
25572	Demonstrate knowledge of hardware used in furniture making and its application	3	3

Furniture Making Strand Elective A

A minimum of 8 credits

Manufacturing > Furniture > Furniture Making

ID	Title	Level	Credit
25557	Assemble and fit traditional drawers to a cabinet using wooden runners	3	4
25559	Assemble solid wood show wood shelving units	3	4
25560	Assemble show wood chairs	3	5
25563	Fit doors to a cabinet using non-adjustable hinges	3	4

Furniture Making Strand Elective B

A minimum of 10 credits at Level 3 or above

Field	Subfield	Domain
Manufacturing	Furniture	Any

Frame Making Strand

Meet the requirements of all of the following sets

- Frame Making Strand Compulsory
- Frame Making Strand Elective

Frame Making Strand Compulsory

The following standards are required

Manufacturing > Furniture > Furniture Making

ID	Title	Level	Credit
16232	Use portable power tools for furniture making	2	4
25533	Assemble non-show wood lounge chair or settee frames	3	5
25536	Operate a bandsaw to produce furniture components	2	3
25537	Set a bandsaw to cut furniture components	3	4
25550	Operate a straight cutting saw to cut square profiled furniture components	2	3

Manufacturing > Furniture > Upholstery

ID	Title	Level	Credit
25765	Carry out non-show wood furniture frame repairs for upholstery	3	4

Frame Making Strand Elective

A minimum of 12 credits at Level 3 or above

Field	Subfield	Domain
Manufacturing	Furniture	Any

Upholstery Strand

Meet the requirements of all of the following sets

- Upholstery Strand Compulsory
- Upholstery Strand Elective A
- Upholstery Strand Elective B

Upholstery Strand Compulsory

The following standards are required

Manufacturing > Furniture > Upholstery

ID	Title	Level	Credit
2179	Cut and fabricate foam and fibre for upholstery	2	3
20972	Prepare a lounge chair frame and attach webbing and padding	3	8
25577	Fit trim to upholstery	3	4
25580	Fit pre-sewn, straight-edged upholstery covers	2	4
25581	Fit non-sewn upholstery covers to chair frames	2	6
25582	Fit pre-sewn, shaped upholstery covers to lounge chairs or settees	3	6
25584	Operate a walking foot sewing machine to sew upholstery covers	2	4

Upholstery Strand Elective A

A minimum of 3 credits

Manufacturing > Furniture > Upholstery

ID	Title	Level	Credit
14993	Remove fabric coverings from upholstered lounge chairs in preparation for recovering	2	3
25576	Make and fit buttons for upholstery	3	3
25765	Carry out non-show wood furniture frame repairs for upholstery	3	4

Upholstery Strand Elective B

A minimum of 10 credits at Level 3 or above

Field	Subfield	Domain
Manufacturing	Furniture	Any

Upholstery Cutting Strand

Meet the requirements of all of the following sets

- Upholstery Cutting Strand Compulsory
- Upholstery Cutting Strand Elective

Upholstery Cutting Strand Compulsory

The following standards are required

Manufacturing > Furniture > Upholstery

ID	Title	Level	Credit
14348	Mark out and cut single-lay plain upholstery fabric	2	4
14349	Match, mark out, and cut single-lay patterned upholstery fabric	3	8
14994	Produce a cutting plan for layout of templates on upholstery fabric	3	4
20975	Produce templates for marking and cutting upholstery fabric for a furniture item	3	6

Upholstery Cutting Strand Elective

A minimum of 8 credits

Manufacturing > Furniture > Upholstery

ID	Title	Level	Credit
14987	Hand cut leather for upholstery	4	6
25578	Mark out and cut multiple-lay plain, non-piled upholstery fabric	3	6
25579	Match, mark out, and cut multiple-lay patterned upholstery fabric	4	8
25591	Set and operate a wheel cutter to cut fabric for upholstery	3	2
25769	Match, mark out, and cut multiple-lay piled upholstery fabric	4	8

Upholstery Sewing Strand

Meet the requirements of all of the following sets

- Upholstery Sewing Strand Compulsory
- Upholstery Sewing Strand Elective

Upholstery Sewing Strand Compulsory

The following standards are required

Manufacturing > Furniture > Upholstery

ID	Title	Level	Credit
16238	Prepare and operate an industrial overlocker to sew upholstery covers	3	6
25584	Operate a walking foot sewing machine to sew upholstery covers	2	4
25585	Insert zips, top stitch, and sew tucks and darts, on plain or patterned, shaped cushions or shaped upholstery covers	3	4
25586	Sew box-piped cushion covers for upholstery	3	8

ID	Title	Level	Credit
25587	Sew upholstery covers with gathering	3	4
25588	Sew pile fabric or leather upholstery covers	3	4
25589	Sew striped fabric, box-piped cushion covers for upholstery	4	4
25595	Develop a sewing plan for an armchair or settee upholstery cover	3	4

Upholstery Sewing Strand Elective

A minimum of 4 credits

Manufacturing > Furniture > Upholstery

ID	Title	Level	Credit
25590	Insert zips, top stitch, and sew tucks and darts, on heavy pile fabric or leather, upholstery covers	4	4
25596	Sew twin needle detailing on upholstery covers	3	4

Previous versions of the qualification

Version 4 was issued following a revision to provide an apprenticeship pathway for people in the furniture industry that will continue to meet the Tertiary Education Commission's funding requirements and to ensure the qualification remains achievable until its review. Changes to structure and content included: Standard 17602 added as a Core Compulsory standard, and overall credit totals for the qualification increased accordingly; expiring standard 19355 removed from Core Elective 2; expired standard 6400 replaced by standards 26551 and 26552 in Core Elective 2 and an exemption relationship included in the transition; and expired standards 9801 and 9802 removed from Machine Operator Strand Elective A.

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

Credit for	Exempt from
2187	14348, 14349
2190	25576, 25577
2197	14993
2198	25533
3159	25527, 25528
6400	26551, 26552
9788	25536, 25537

Credit for	Exempt from
9793	25538, 25539
14350, 14351	25578, 25579, 25769
14358	25580, 25581
14359	25582
14361	25584
14362	25585, 25586, 25587, 25588
14363, 14364	25589, 25590
14984	25765
14999	25547
16233	25570
18904	25550
18908	25552, 25553
20974	25591

Version 3 was issued following review. The Core Compulsory set was replaced by Core Elective 1, standards 21332 and 21333 were added, and credits were reduced from 11 to 10 credits. The Core Elective set was renamed Core Elective 2 and the credits increased from 8 to 9. The Free Standing Furniture strand was renamed Furniture Making.

Version 2 of this qualification was issued following a revision. The Interior Fitments strand was removed from the qualification.

Version 1 replaced the National Certificate in Furniture (Manufacturing Upholstery Cutting) (Level 3) [Ref: 0619], the National Certificate in Furniture (Manufacturing Upholstery Sewing) (Level 3) [Ref: 0620], the National Certificate in Furniture (Restoration and Recovery Upholstery) (Level 3) [Ref: 0622], the National Certificate in Furniture Finishing (Level 3) [Ref: 1180], and the National Certificate in Furniture Making (Level 3) [Ref: 0965].

There were substantial differences between the new and replaced qualifications. The replaced qualifications will continue to be recognised by industry and there is no requirement for existing holders to complete the new qualifications.

Other standard setting bodies whose standards are included in the qualification

Competenz
 NZ Motor Industry Training Organisation (Inc)
 NZQA
 The Skills Organisation

Certification

This certificate will display the logos of NZQA, Competenz 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
356	Manufacturing > Furniture	030113	Engineering and Related Technologies > Manufacturing, Engineering and Technology > Cabinet Making

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.

Appendix 1

FURNITURE QUALIFICATIONS OVERVIEW

