

National Certificate in Industrial Machine Knitting (Advanced Technology - Full-Fashioned) (Level 5) with strands in Design, Production, and Maintenance

Level 5

Credits 64-83

This qualification is **expiring**. The last date to meet the requirements is 31 December 2011.

Purpose

This qualification builds on the Full-Fashioned strand of the National Certificate in Industrial Machine Knitting (Technology) (Level 4) [Ref: 0159]. It is designed to enable people to develop professionally in the full fashioned sector of the knitting industry.

The qualification is comprised of a compulsory core and three strands. All three strands include the industry specific trade skills for the specialist area of this sector. In addition the Production strand recognises includes complementary skills and knowledge in management, production planning, work study and engineering.

It recognises the on-job competence of a skilled technician in the chosen strands, able to plan, organise and manage all the operations and activities in those respective departments of a full-fashioned knitting plant.

Special Notes

It is recommended that people seeking this qualification already hold the Full-Fashioned strand of the National Certificate in Industrial Machine Knitting (Technology) (Level 4) [Ref: 0159].

Prior to seeking credit for Unit 5292, *Analyse time studies and issue standard times in the clothing industry*, people should already hold credit for the prerequisite Unit 5291, *Carry out a time study using 0-100 BSI rating scale in the clothing industry*.

People transferring between sectors at Level 5 will also require the prerequisite standards, Unit 5000, *Operate full fashioned machines as an additional knitting machine operating skill*, and Unit 5008, *Repair and service full-fashioned machines as additional skills for mechanics*.

Credit Range

	Core Compulsory	Design Strand
Level 5 credits	41	23
Qualification total		64

	Production Strand	Maintenance Strand
Level 4 credits	29	-
Level 5 credits and above	9	42
Minimum totals	38	42
Qualification total	79	83

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

- Core Compulsory standards

One of the following strands is required

- Design Strand
- Production Strand
- Maintenance Strand

Detailed Requirements

Core Compulsory

The following standards are required

Manufacturing > Industrial Machine Knitting > Knitting Industry Quality Assurance

ID	Title	Level	Credit
4857	Establish quality control technical specifications relating to knitting production	5	8

Manufacturing > Industrial Machine Knitting > Knitting Industry Technology

ID	Title	Level	Credit
4843	Apply the properties of fibres and yarns to the design of knitted goods	5	7

Manufacturing > Industrial Machine Knitting > Knitting Machine Technical Servicing

ID	Title	Level	Credit
4723	Prepare control programmes for computer-controlled knitting machines without CAD	5	8
4729	Adjust and service computerised control systems for knitting machines	5	6
4789	Analyse and design patterns based on plain fabric and full-fashioned lace techniques	5	5
4794	Evaluate results of quality control checks and apply results to knitting machines	5	7

Design Strand

The following standards are required

Manufacturing > Industrial Machine Knitting > Knitting Machine Technical Servicing

ID	Title	Level	Credit
4728	Prepare style programmes for full-fashioned, flat bed or circular garment-length machines with CAD	5	16
4788	Analyse and design Intarsia patterns	5	7

Production Strand

The following standards are required

Business > Business Operations and Development > People Development and Coordination

ID	Title	Level	Credit
1983	Analyse work content and identify work team needs	4	5
1987	Develop strategies to establish and maintain positive workplace relationships	4	5

Business > Business Operations and Development > Systems and Resources Management

ID	Title	Level	Credit
1988	Supervise workplace operations	4	6

Engineering and Technology > Mechanical Engineering > Maintenance and Diagnostics in Mechanical Engineering

ID	Title	Level	Credit
2407	Monitor the condition of machinery and equipment	4	4

Manufacturing > Clothing Manufacture > Apparel Production Planning

ID	Title	Level	Credit
5311	Develop and install labour production planning systems for the clothing industry	5	9

Manufacturing > Clothing Manufacture > Apparel Work Study

ID	Title	Level	Credit
5289	Produce labour recovery reports for a production department in the clothing industry	4	3
5292	Analyse time studies and issue standard times in the clothing industry	4	6

Maintenance Strand

The following standard is required

Manufacturing > Industrial Machine Knitting > Knitting Machine Technical Servicing

ID	Title	Level	Credit
4506	Carry out technically critical repairs to full-fashioned machines	6	42

Transition Arrangements**Version 4**

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

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

Previous versions of the qualification

Version 3 was issued following a revision to accommodate the review and reclassification of the First Line Management standards.

Changes to structure and content

- purpose statement and format updated
- standards 1983, 1987 and 1988 were updated to reflect the outcome of the above review
- the Production strand credit total has increased from 78 to 79.

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
1557	5289
1560	5292
1538	5311

Version 2 was issued to take account of the review of the industrial machine knitting and clothing manufacture standards.

NQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	March 1996	December 2011
Review	2	February 1999	December 2011
Revision	3	April 2008	December 2011
Review	4	May 2010	December 2011

Standard Setting Body

Apparel and Textile Industry Training Organisation
PO Box 13 210
Armagh
Christchurch 8141

Telephone 03 377 8443
Email training@atito.org.nz

Other standard setting bodies whose standards are included in the qualification

Competenz
NZQA

Certification

This certificate will display the logos of NZQA, the Apparel and Textile Industry Training 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
277	Manufacturing > Industrial Machine Knitting	030105	Engineering and Related Technologies > Manufacturing, Engineering and Technology > Textile Making

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.