LMT31807 Certificate III in Technical Textiles and Non-wovens

Revision Number: 1

LMT31807 Certificate III in Technical Textiles and Non-wovens

Modification History

Not applicable.

Description

Job roles/employment outcomes
Certificate III in Technical Textiles and Non-wovens reflects vocational outcomes for those performing supervision roles, specialised technical tasks or multi-skilled roles within a production oriented work environment.

Application
This qualification is typically used to develop skill and knowledge in the application of specialised technical, operational and supervisory skills within technical textiles and non-wovens production enterprises.

Pathways into the qualification
Direct entry into this qualification requires completion of a total of nineteen (19) units of competency according to the rules described below.

Credit may be granted towards this qualification by those who have completed LMT21607 Certificate II in Technical Textiles and Non-wovens or achieved equivalent industry experience.

Pathways from the qualification
Further training pathways from this qualification include LMT40107 Certificate IV in Textile Technology and Production, MSA41108 Certificate IV in Competitive Manufacturing or other relevant manufacturing qualifications.

Licensing considerations
There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY
Employability Skills Summary - **Certificate III in Technical Textiles and Non-wovens** The following table contains a summary of the Employability Skills as identified by the technical textile and non-woven industries for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that reflect skill requirements for this level.

Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• complete written documents, job cards, forms and timesheets • use communication technologies efficiently • communicate production abnormalities • demonstrate effective and appropriate communication and interpersonal skills when dealing with people from a range of backgrounds • read, interpret and communicate production schedules • communicate with all team members
Teamwork	• work cooperatively with people of different ages, gender, race or religion • liaise with and provide support to other team members • work as part of a team • keep team members informed of changes to work practices • identify team performance required to meet customer needs • provide leadership to others in the team • encourage the sharing of information between team members • plan and support team activities
Problem-solving	• identify and report problems and make contributions to their solution • investigate problem causes • implement changes • examine equipment for damage, missing components or other defects • identify and promptly address problems or issues • assess quality of work pieces • determine effective work practices • provide problem solving support to team members

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• problem solve machine operational and maintenance requirements • identify and report potential environmental hazards
Initiative and enterprise	• seek and provide feedback on procedures • gather and analyse information • record information on the quality and other indicators of production performance • adjust and implement production schedules changes • provide leadership • identify and implement process improvements • coordinate work activities and manufacturing processes • monitor workplace performance • use analytical and decision making skills
Planning and organising	• identify hazards and implement appropriate hazard control measures • organise self and others to meet production schedules • identify and rectify stock shortages in advance • sequence work to maximise safety and productivity • select and use appropriate tools and equipment • determine materials, quality and production requirements • monitor resource use in own work • apply time management skills to ensure work flow
Self-management	• interpret and apply relevant acts and regulations • keep the work area clean and tidy at all times • conduct regular housekeeping activities • understand own work activities • manage own time and establish own work schedule • conduct work in a manner which minimises waste • develop and implement workplace procedures and instructions • locate, interpret and apply information relevant to own work • monitor and evaluate own work quality • accept responsibility for quality of work
Learning	• develop learning activities as appropriate • assess competencies in meeting job requirements • identify own training needs and seek skill development if required • listen to feedback from others

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• identify sources of information to expand knowledge and understanding • identify and address skill development needs of others in the team
Technology	• use software applications effectively • properly start up, operate and shut down computers • work with technology safely and according to workplace standards • establish procedures • carry out pre-operational checks on equipment and machines • operate equipment and machines safely, efficiently and to productivity requirements • monitor and adjust machine functions • perform machine maintenance as determined by workplace procedures • clean and check equipment and machines

Packaging Rules

Packaging Rules

To be awarded the Certificate III in Technical Textiles and Non-wovens, competency must be achieved in nineteen (19) units of competency.

- Five (5) core units of competency
- Fourteen (14) elective units of competency as specified below.

Entry via Certificate II in Technical Textiles and Non-wovens requires an additional six (6) units. One (1) unit must be selected from the Group A units, all core units must be completed, and up to two (2) units may be selected from units coded MCM. Units already credited at Certificate II cannot be counted as part of the additional six (6) units.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS

Complete all five (5) units from this list

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Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
LMTGN3002B	Organise and plan own work to achieve planned outcomes
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS

Select fourteen (14) units as specified below.

- A minimum of two (2) units must be selected from Group A
- A minimum of one (1) unit must be selected from Group B
- A maximum of two (2) units may be selected from Group D
- A maximum of three (3) units may be selected from Group E
- The remainder must be selected from Groups A, B and C.

NOTE: Competitive Manufacturing Training Package units, identified in Group D as MSACM coded units, should be selected on the basis of work requirements. Those at Certificate II level (units in the 200 series) are appropriate for operators. MSACM units for those in Certificate III level positions such as team leaders should be selected from both the 200 series and the 400 series.

GROUP A

Unit code	Unit title	Prerequisites
LMTTN2001B	Set up and operate a dry laid web forming machine	
LMTTN2002B	Set up and operate a spun bond web forming machine	
LMTTN2003B	Use basic recognition techniques to identify technical and nonwoven textiles	
LMTTN2004B	Undertake web bonding processes	

Unit code	Unit title	Prerequisites
LMTTN2005B	Undertake web conversion and finishing	
LMTTN2006B	Identify purpose and performance outcomes of technical textile product	LMTTN2003B
LMTTN2007B	Conduct technical textile mechanical finishing processes	
LMTTN2008B	Conduct heat setting on technical textiles	
LMTTN2009B	Apply surface coating to technical textiles	
LMTTN2010B	Apply laminations and fusible interlinings to technical textiles	
LMTTN2011B	Undertake fibre blending and feeding for nonwoven technical production processes	

GROUP B

Unit code	Unit title	Prerequisites
LMTGN3001B	Control production in a section of a Textiles, Clothing and Footwear enterprise	LMTTX2001B
LMTGN3009B	Supervise operations in a textiles, clothing and footwear enterprise	
LMTTX3001B	Identify quality and types of textile fibres, yarns and fabrics	LMTTX2001B
LMTTX3002B	Contribute to textile production process	LMTGN2002B

Unit code	Unit title	Prerequisites
	improvements	
LMTTX3004B	Set up textile production machines for product change	
LMTTX3005B	Organise and interpret tests	
LMTTX3006B	Ensure efficient operation of textile machines	
LMTTX3007B	Prepare dyes for textile production	
LMTTX3008B	Select raw materials	

GROUP C

Unit code	Unit title	Prerequisites
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	

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Unit code	Unit title	Prerequisites
LMTTX2001B	Identify fibres, yarns and textile materials and their uses in textile production	
LMTTX2002B	Prepare yarn for textile manufacturing	
LMTTX2003B	Perform spinning operations	
LMTTX2005B	Perform creeling operations	
LMTTX2006B	Operate a weaving loom	
LMTTX2007B	Perform knitting operations	
LMTTX2009B	Weigh and check textile materials and products	
LMTTX2010B	Load and operate dyeing equipment	
LMTTX2011B	Repair textile product	
LMTTX2012B	Perform industrial sewing on textile products	
LMTTX2013B	Conduct packaging or folding for textile production	
LMTTX2014B	Use specialised machinery to assist textile production	
LMTTX2019B	Undertake carding operations	

GROUP D

Unit code	Unit title	Prerequisites
MSACMC210A	Manage the impact	

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Unit code	Unit title	Prerequisites
	of change on own work	
MSACMC410A	Lead change in a manufacturing environment	
MSACMS200A	Apply competitive manufacturing practices	
MSACMS201A	Sustain process improvements	
MSACMS400A	Implement a competitive manufacturing system	
MSACMS401A	Ensure process improvements are sustained	
MSACMT220A	Apply quick changeover procedures	
MSACMT221A	Apply Just in Time (JIT) procedures	
MSACMT230A	Apply cost factors to work practices	
MSACMT231A	Interpret product costs in terms of customer requirements	
MSACMT240A	Apply 5S procedures in a manufacturing environment	
MSACMT250A	Monitor process capability	
MSACMT260A	Use planning	

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Unit code	Unit title	Prerequisites
	software systems in manufacturing	
MSACMT261A	Use SCADA systems in manufacturing	
MSACMT270A	Use sustainable energy practices	
MSACMT280A	Undertake root cause analysis	
MSACMT281A	Contribute to the application of a proactive maintenance strategy	
MSACMT421A	Facilitate a Just in Time (JIT) system	
MSACMT430A	Improve cost factors in work practices	
MSACMT432A	Analyse manual handling processes	
MSACMT440A	Lead 5S in a manufacturing environment	
MSACMT450A	Undertake process capability improvements	MSACMT452A
MSACMT451A	Mistake proof a production process	
MSACMT452A	Apply statistics to processes in manufacturing	
MSACMT460A	Facilitate the use of planning software systems in manufacturing	MSACMT260A

Unit code	Unit title	Prerequisites
MSACMT461A	Facilitate SCADA systems in a manufacturing team or work area	MSACMT261A
MSACMT481A	Undertake proactive maintenance analyses	
MSACMT482A	Assist in implementing a proactive maintenance strategy	
MSAENV472B	Implement and monitor environmentally sustainable work practices	

GROUP E

Other Technical Textiles and Non-wovens units that are available at Certificates II (maximum 1 unit) and III (maximum 3 units)
Other TCF Training Package units that are available at Certificates II (maximum 1 unit), III (maximum 3 units) and IV (maximum 1 unit)
Units from other endorsed Training Packages and accredited courses that are available at Certificates II (maximum 1 unit), III (maximum 3 units) and IV (maximum 1 unit)