



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **LMT21607 Certificate II in Technical Textiles and Non-wovens**

**Revision Number: 1**

## LMT21607 Certificate II in Technical Textiles and Non-wovens

### Modification History

Not applicable.

### Description

#### Job roles/employment outcomes

Certificate II reflects vocational outcomes for those performing a range of technical and operational tasks within a production oriented work environment in a technical textile and non-woven manufacturing enterprise. Some multi-skilled roles can be accommodated in this qualification.

#### Application

This qualification is typically used to develop skill and knowledge in the operations of technical textile and non-woven production enterprises. Work is generally supervised.

#### Pathways into the qualification

Direct entry into this qualification requires completion of a total of thirteen (13) units of competency according to the rules described below.

Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

#### Pathways from the qualification

Further training pathways from this qualification include LMT31807 Certificate III in Technical Textiles and Non-wovens.

#### 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 II 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:
<b>Communication</b>	<ul style="list-style-type: none"> <li>• complete written documentation and job tickets</li> <li>• use communication technologies efficiently</li> <li>• demonstrate effective and appropriate communication and interpersonal skills</li> <li>• interpret and apply workplace procedures and instructions</li> <li>• share workplace information</li> <li>• communicate information about problems with production work</li> <li>• read and understand job specifications</li> <li>• communicate information relating to OHS</li> </ul>
<b>Teamwork</b>	<ul style="list-style-type: none"> <li>• work independently or as part of a team</li> <li>• provide support to others in the work area</li> <li>• identify performance required to meet customer needs in own work and/or team</li> <li>• identify own role and responsibility within a team</li> </ul>
<b>Problem-solving</b>	<ul style="list-style-type: none"> <li>• identify and report any workplace hazards</li> <li>• identify production problems and make contributions to their solution</li> <li>• apply knowledge of materials, product purpose and processes to operations</li> <li>• check machine performance and identify signs of faulty operations</li> <li>• use material and process knowledge to solve problems</li> <li>• monitor workplace activities and identify and report faults or problems</li> <li>• recognise hazards and follow appropriate hazard control measures</li> <li>• identify and report potential environmental hazards</li> </ul>
<b>Initiative and enterprise</b>	<ul style="list-style-type: none"> <li>• provide feedback on procedures and processes</li> </ul>

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY**

	<ul style="list-style-type: none"> <li>gather and interpret information</li> <li>ask questions regarding requirements and expectations</li> <li>make suggestions for continuous improvement</li> <li>inspect quality of production on an ongoing basis</li> <li>record basic information on the quality and other indicators of production performance</li> </ul>
<b>Planning and organising</b>	<ul style="list-style-type: none"> <li>plan work activities</li> <li>monitor production and work load priorities</li> <li>select appropriate tools</li> <li>identify requirements for materials, quality and production</li> <li>identify and monitor resource use in own work</li> <li>direct items to the correct area for further processing</li> <li>identify and use relevant personal protective equipment</li> <li>organise work area to maintain housekeeping standards</li> </ul>
<b>Self-management</b>	<ul style="list-style-type: none"> <li>plan to meet own work requirements</li> <li>keep the work area clean and tidy at all times</li> <li>conduct regular housekeeping activities</li> <li>interpret data and information as required by own job</li> <li>monitor own work</li> <li>conduct work in a manner which minimises waste</li> <li>understand own work activities</li> <li>identify personal responsibilities</li> <li>accept responsibility for quality of own work</li> <li>follow OHS practices during the production and manufacturing of production products</li> </ul>
<b>Learning</b>	<ul style="list-style-type: none"> <li>assess own competencies in meeting job requirements</li> <li>listen to feedback and advice of supervisors</li> <li>identify own skill requirements and seek skill development if required</li> <li>attend training or skill development activities</li> <li>ask questions to expand own knowledge</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>use appropriate tools, machines and equipment safely and effectively</li> <li>use machinery to meet productivity requirements</li> <li>perform minor maintenance on machinery in accordance with workplace practice</li> <li>use manual handling technologies in the workplace</li> <li>set up and adjust machinery and equipment</li> </ul>

## Packaging Rules

### Packaging Rules

To be awarded the Certificate II in Technical Textiles and Non-wovens, competency must be achieved in thirteen (13) units of competency.

- Four (4) core units of competency
- Nine (9) elective units of competency as specified below.

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

### CORE UNITS

Complete all four (4) units from this list

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
MSAENV272B	Participate in environmentally sustainable work practices

### ELECTIVE UNITS

Select nine (9) units as specified below.

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

### GROUP A

Unit code	Unit title	Prerequisites
LMTTN2001B	Set up and operate a dry	

Unit code	Unit title	Prerequisites
	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	
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
LMTGN2004B	Work in a team	

Unit code	Unit title	Prerequisites
	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	
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	



Unit code	Unit title	Prerequisites
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 C

Unit code	Unit title	Prerequisites
MSACMC210A	Manage the impact of change on own work	
MSACMS200A	Apply competitive manufacturing practices	
MSACMS201A	Sustain process improvements	
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	

Unit code	Unit title	Prerequisites
MSACMT240A	Apply 5S procedures in a manufacturing environment	
MSACMT250A	Monitor process capability	
MSACMT260A	Use planning 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	

## GROUP D

Other Technical Textiles and Non-wovens units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)