



**Australian Government**

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

# **LMT50507 Diploma of Diploma of Textile Design and Development**

**Revision Number: 2**

## **LMT50507 Diploma of Textile Design and Development**

### **Modification History**

Release 2 - imported units updated to current versions, outcomes equivalent.

### **Description**

#### **Job roles/employment outcomes**

The Diploma of Textile Design and Development covers occupations such as those involved in the design and production of textile products such as screen printed, woven, knitted, tapestry and experimental textile products.

#### **Application**

This qualification is typically used to develop skill and knowledge in the application of specialised technical and design skills within textile enterprises.

### **Pathways Information**

#### **Pathways into the qualification**

Direct entry into this qualification requires completion of a total of thirty-five (35) units of competency according to the rules described below.

Credit may be granted towards this qualification by those who have completed LMT41107 Certificate IV in Textile Design and Development, or achieved equivalent industry experience.

#### **Pathways from the qualification**

Further training pathways from this qualification include LMT60407 Advanced Diploma of Textile Design and Development, or other relevant qualifications.

### **Licensing/Regulatory Information**

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.

### **Entry Requirements**

Not applicable.

## Employability Skills Summary

### EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

#### Employability Skills Summary - Diploma of Textile Design and Development

The following table contains a summary of the Employability Skills as identified by the textile design 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>• use information and communication technology to gather and interpret data related to the development of designs</li> <li>• develop design specifications in consultation with client and design team</li> <li>• make calculations for design production</li> <li>• complete documentation and maintain records</li> <li>• develop and interpret design patterns</li> </ul>
<b>Teamwork</b>	<ul style="list-style-type: none"> <li>• exchange information with clients and design team</li> <li>• provide and gather feedback on designs with production team</li> <li>• participate in sustainability improvements</li> </ul>
<b>Problem-solving</b>	<ul style="list-style-type: none"> <li>• assess suitability of raw materials for use in textile products</li> <li>• analyse and apply design influences</li> <li>• develop designs and specifications in line with client requirements</li> <li>• make modifications to designs or techniques based on client requirements or resource issues</li> <li>• identify and address production issues</li> <li>• investigate environmental performance and identify potential areas for improvement</li> <li>• identify and act on environmental hazards</li> </ul>
<b>Initiative and enterprise</b>	<ul style="list-style-type: none"> <li>• develop new designs</li> <li>• experiment with design concepts</li> <li>• test and improve on designs</li> <li>• identify opportunities for new designs</li> <li>• identify opportunities for improvement to environmental performance</li> </ul>
<b>Planning and organising</b>	<ul style="list-style-type: none"> <li>• plan processes to achieve desired outcomes within agreed time-frames</li> <li>• ensure work station and equipment are set up so that</li> </ul>

<b>EMPLOYABILITY SKILLS QUALIFICATION SUMMARY</b>	
	work requirements are met <ul style="list-style-type: none"> <li>• manage design processes</li> <li>• produce textile design samples</li> <li>• develop and implement contingency plans when responding to incidents and problems</li> </ul>
<b>Self-management</b>	<ul style="list-style-type: none"> <li>• monitor own work against workplace, industry and quality standards</li> <li>• adjust processes or techniques as required according to variations in requirements</li> <li>• implement and apply OHS practices in the workplace</li> <li>• monitor use of resources</li> </ul>
<b>Learning</b>	<ul style="list-style-type: none"> <li>• assess own skill requirements and seek further development if required</li> <li>• develop or adjust processes based on previous experience</li> <li>• learn about sustainability developments relating to work practice</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>• use information and communication technology to acquire, manage and share data</li> <li>• use computer-aided design technology in the development of textile designs</li> <li>• use textile production machinery and equipment efficiently in the production of samples</li> </ul>

## Packaging Rules

To be awarded the Diploma of Textile Design and Development, competency must be achieved in thirty-five (35) units of competency.

- Ten (10) core units of competency
- Twenty-five (25) elective units of competency as specified below.

If Certificate IV has been achieved, an additional ten (10) units are required to gain the Diploma qualification. All core units listed under the direct entry pathway must also be achieved by those entering via Certificate IV. Any Diploma core units not achieved at Certificate IV must be completed as part of the additional ten (10) units required for the Diploma. Units that have been credited towards lower level qualifications must not be selected in the additional ten (10) unit requirement.

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

## CORE UNITS

Complete all ten (10) units from this list

Unit code	Unit title
LMTCL2003B	Identify fibres and fabrics
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
LMTGN4010A	Implement and monitor OH&S in the workplace
LMTTD4007A	Analyse textile design influences
LMTTD4009A	Assist in the development of textile designs
LMTTD4012A	Analyse use of colour in textiles
LMTTD5007A	Develop textile designs using computer based design programs
LMTTD5008A	Develop textile designs and specifications
LMTTX2001B	Identify fibres, yarns and textile materials and their uses in textile production
MSAENV272B	Participate in environmentally sustainable work practices

### ELECTIVE UNITS

Select twenty-five (25) units as specified below.

- A minimum of nine (9) units must be selected from Group A
- A minimum of six (6) units must be selected from Group B
- A maximum of six (6) units may be selected from Group D
- The remainder must be selected from Groups A, B and C.

### GROUP A

Unit code	Unit title	Prerequisites
LMTFD4005B	Communicate and sell design concepts	
LMTGN4008A	Analyse product and determine machine settings	
LMTGN4016A	Contribute to the development of	

Unit code	Unit title	Prerequisites
	products or processes	

Unit code	Unit title	Prerequisites
LMTGN5001B	Participate in production planning processes	
LMTGN5002B	Coordinate quality assurance for textiles, clothing and footwear products and services	
LMTGN5008A	Identify opportunities in the textiles, clothing and footwear market	LMTGN4019A
LMTTD4001A	Produce knitted textile samples	
LMTTD4003A	Produce woven textile samples	
LMTTD4004A	Produce woven tapestry samples	
LMTTD4005A	Produce screen printed textiles	
LMTTD4006A	Source textile materials and resources	
LMTTD4008A	Present and promote textile design concepts	
LMTTD4010A	Apply manipulation techniques to create experimental textile samples	
LMTTD4011A	Estimate costs for development of textile designs	
LMTTD4013A	Prepare stencils and screens for textile printing	

Unit code	Unit title	Prerequisites
LMTTD5001A	Design and produce knitted textile products	LMTTD4001A
LMTTD5002A	Design and produce woven tapestry products	
LMTTD5003A	Design and produce woven products	LMTTD4003A
LMTTD5004A	Design and produce experimental textiles	
LMTTD5005A	Design and produce printed textiles	
LMTTD5006A	Exhibit textile designs or products	
LMTTD5009A	Cost production of textile designs	
LMTTD5010A	Produce computer aided textile design folios	LMTGN2009A
LMTTD5011A	Produce printed designs on woven and non-woven substrates	
LMTTX4001A	Interpret and apply textile calculations and specifications	
LMTTX4002A	Understand and apply textile science	LMTTX2001B LMTTX3001B
LMTTX4003A	Perform routine textile tests and analyse results	LMTTX4001A LMTTX4002A
LMTTX4004A	Select dyes and develop dye specification and recipe for production	



Unit code	Unit title	Prerequisites
LMTTX4005A	Undertake textile colouration and finishing	

**GROUP B**

Unit code	Unit title	Prerequisites
CUVACD301A	Produce drawings to communicate ideas	
LMTGN5001B	Participate in production planning processes	
LMTGN5002B	Coordinate quality assurance for textiles, clothing and footwear products and services	
LMTGN5008A	Identify opportunities in the textiles, clothing and footwear market	LMTGN4019A
LMTTD5001A	Design and produce knitted textile products	LMTTD4001A
LMTTD5002A	Design and produce woven tapestry products	
LMTTD5003A	Design and produce woven products	LMTTD4003A
LMTTD5004A	Design and produce experimental textiles	
LMTTD5005A	Design and produce printed textiles	
LMTTD5006A	Exhibit textile designs or products	

Unit code	Unit title	Prerequisites
LMTTD5009A	Cost production of textile designs	
LMTTD5010A	Produce computer aided textile design folios	LMTGN2009A
LMTTD5011A	Produce printed designs on woven and non-woven substrates	

**GROUP C**

Unit code	Unit title	Prerequisites
CUVDRA201A	Develop drawing skills	
LMTFD3001B	Market design product to local outlets	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN3002B	Organise and plan own work to achieve planned outcomes	
LMTGN3008A	Draw 3D designs	
LMTTX2012B	Perform industrial sewing on textile products	
LMTTX2015B	Handle and prepare chemicals, dyes or other substances used in textile production	
LMTTX3001B	Identify quality and	LMTTX2001B

Unit code	Unit title	Prerequisites
	types of textile fibres, yarns and fabrics	
LMTTX3008B	Select raw materials	
MSAENV472B	Implement and monitor environmentally sustainable work practices	

**GROUP D**

Other Textile Design and Development units that are available at Certificates IV (maximum 1), V (maximum 6) or VI (maximum 1)

Other TCF Training Package units that are available at Certificates IV (maximum 1), V (maximum 6) or VI (maximum 1)

Units from other endorsed Training Packages and accredited courses at Certificates IV (maximum 1), V (maximum 6) or VI (maximum 1)