



**Australian Government**

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

# **LMT41107 Certificate IV in Textile Design and Development**

**Revision Number: 1**

## **LMT41107 Certificate IV in Textile Design and Development**

### **Modification History**

Not applicable.

### **Description**

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

The Certificate IV in Textile Design and Development covers occupations such as those in assistant design and sample production roles within the textiles industry.

#### **Application**

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

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

Direct entry into this qualification requires completion of a total of twenty-five (25) units of competency according to the rules described below.

This qualification is not a direct progression from LMT30107 Certificate III in Textile Production. However credit may be granted towards this qualification for units completed in the LMT30107 Certificate III in Textile Production, or for equivalent industry experience.

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

Further training pathways from this qualification include LMT50507 Diploma of Textile Design and Development, or other relevant 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 IV in 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.

<b>Employability Skill</b>	<b>Industry/enterprise requirements for this qualification include:</b>
<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>• interpret specifications</li> <li>• communicate with clients and design team</li> <li>• complete documentation and maintain records</li> <li>• interpret and apply information from patterns</li> </ul>
<b>Teamwork</b>	<ul style="list-style-type: none"> <li>• share information with clients and design team</li> <li>• provide feedback on designs</li> <li>• participate in sustainability improvements</li> </ul>
<b>Problem-solving</b>	<ul style="list-style-type: none"> <li>• determine suitability of raw materials for use in textile products</li> <li>• analyse design influences</li> <li>• assist with design development processes</li> <li>• identify and address production problems</li> <li>• identify and act on environmental hazards</li> </ul>
<b>Initiative and enterprise</b>	<ul style="list-style-type: none"> <li>• identify design influences</li> <li>• develop textile effects to meet design requirements</li> <li>• identify opportunities for improvement to environmental performance</li> </ul>
<b>Planning and organising</b>	<ul style="list-style-type: none"> <li>• undertake work to achieve desired outcomes within agreed time-frames</li> <li>• set up work station and equipment to ensure work requirements are met</li> <li>• produce textile design samples in line with specifications</li> <li>• implement contingency plans when responding to incidents and problems</li> <li>• determine production requirements to meet specifications</li> </ul>

<b>EMPLOYABILITY SKILLS QUALIFICATION SUMMARY</b>	
<b>Self-management</b>	<ul style="list-style-type: none"> <li>• monitor own work against workplace, industry and quality standards</li> <li>• adjust activities as required according to variations in operations</li> <li>• 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>• ask questions and seek advice to improve own knowledge</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 textile production technology efficiently to produce design samples</li> </ul>

## Packaging Rules

### Packaging Rules

To be awarded the Certificate IV in Textile Design and Development, competency must be achieved in twenty-five (25) units of competency.

- Eight (8) core units of competency
- Seventeen (17) 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 eight (8) units from this list

<b>Unit code</b>	<b>Unit title</b>
LMTCL2003B	Identify fibres and fabrics
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry

Unit code	Unit title
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
LMTTX2001B	Identify fibres, yarns and textile materials and their uses in textile production
MSAENV272B	Participate in environmentally sustainable work practices

## ELECTIVE UNITS

Select seventeen (17) units as specified below.

- A minimum of nine (9) units must be selected from Group A
- A maximum of four (4) units may be selected from Group C
- The remainder must be selected from Groups A and B.

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### 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 products or processes	
LMTTD4001A	Produce knitted textile samples	
LMTTD4003A	Produce woven textile samples	
LMTTD4004A	Produce woven tapestry samples	

Unit code	Unit title	Prerequisites
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	
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	
LMTTX4005A	Undertake textile colouration and finishing	

## GROUP B

<b>Unit code</b>	<b>Unit title</b>	<b>Prerequisites</b>
CUVVSP14B	Apply techniques to produce drawings	
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 types of textile fibres, yarns and fabrics	LMTTX2001B
LMTTX3008B	Select raw materials	
MSAENV472B	Implement and monitor environmentally sustainable work practices	



**GROUP C**

Other Textile Design and Development units that are available at Certificates IV (maximum 4) or V (maximum 1)
Other TCF Training Package units that are available at Certificates III (maximum 1), IV (maximum 4) and V (maximum 1)
Units from other endorsed Training Packages and accredited courses at Certificates III (maximum 1), IV (maximum 4) and V (maximum 1)