Australian Government

MST40116 Certificate IV in Textile Design, Development and Production

Release 1

INDUSTRY
SKILLS
COUNCILS
Creating Australia's Future

MST40116 Certificate IV in Textile Design, Development and Production

Modification History

Release 1. Supersedes:

- LMT40107 Certificate IV in Textile Technology and Production
- LMT41107 Certificate IV in Textile Design and Development.

Equivalent

Qualification Description

This qualification provides the skills and knowledge required to work in occupations such as design, technical support and development, in the textiles industry, with roles such as product design, production planning and quality control.

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

There are no entry requirements for this qualification.

Packaging Rules

To be awarded the MST40116 Certificate IV in Textile Design and Development, competency must be achieved in **twenty-five (25)** units of competency:

- **six (6)** core units of competency
- **nineteen (19)** elective units of competency.

Note: Where prerequisite units are identified they must be counted in the total number of units required for achievement of the qualification.

Core units of competency		
• Select **six (6)** units of competency from the following list, as specified.		
Unit code	**Unit title**	**Prerequisites**
MSMENV272	Participate in environmentally sustainable work practices	
MSMWHS200	Work safely	
MSTGN2011	Identify fibres, fabrics and textiles used in the TCF industry	
MSTTX3001	Identify quality and types of textile fibres, yarns and fabrics	MSTGN2011
MSS402051	Apply quality standards	
• Select **one (1)** from these units		
MSTGN3004	Supervise operations in a TCF enterprise	
MSTTD4007	Analyse textile design influences	

Elective units of competency

Select **nineteen (19)** units as specified below.

- A minimum of **five (5)** units must be selected from Group A
- The remaining **fourteen (14)** units may be selected from:
  - units not previously selected from Group A
  - units from Group B

- a maximum of **five (5)** relevant units from this Training Package, other endorsed Training Packages and accredited courses, where those units are available at Certificate III, Certificate IV or Diploma level.

Units selected from other Training Packages and accredited courses must be relevant to the qualification outcome and not duplicate units available within this qualification.

Group A

Unit code	Unit title	Prerequisites
MSTFD4005	Communicate and sell design concepts	
MSTGN4002	Participate in product engineering	
MSTGN4004	Analyse TCF merchandising and marketing principles	
MSTGN4005	Plan and implement production within a work area	
MSTGN4006	Apply TCF market supply systems	MSTGN2011
MSTGN4007	Contribute to the development of products or processes	
MSTGN4009	Design production tooling	
MSTGN4013	Manage technical processes	
MSTTD4001	Produce knitted textile samples	
MSTTD4002	Prepare stencils and screens for textile printing	
MSTTD4003	Produce woven textile samples	
MSTTD4004	Produce woven tapestry samples	
MSTTD4005	Produce screen printed textiles	
MSTTD4006	Source textile materials and resources	
MSTTD4008	Present and promote textile design concepts	

MSTTD4009	Assist in the development of textile designs	
MSTTD4010	Apply manipulation techniques to create experimental textile samples	
MSTTD4011	Estimate costs for development of textile designs	
MSTTD4012	Analyse use of colour in textiles	MSTGN2011 MSTTD4002
MSTTX4001	Interpret and apply textile calculations and specifications	
MSTTX4002	Understand and apply textile science	MSTGN2011 MSTTX3001
MSTTX4003	Perform routine textile tests and analyse results	MSTTX4001 MSTTX4002
MSTTX4004	Select dyes and develop dye specification and recipe for production	
MSTTX4005	Undertake textile colouration and finishing	MSTTX4002

Group B

Unit code	Unit title	Prerequisites
CUAACD301	Produce drawings to communicate ideas	
CUADRA201	Develop drawing skills	
MSMENV472	Implement and monitor environmentally sustainable work practices	
MSTCL2012	Organise and plan own work in a home-based production environment	
MSTGN2003	Work in the TCF industry	
MSTGN2009	Operate computing technology in a TCF workplace	
MSTGN2012	Work safely with chemicals in TCF operations	

MSTGN3002	Organise and plan own work to achieve planned outcomes	
MSTGN3003	Estimate and cost job	
MSTTD5010	Produce computer-aided textile design folios	
MSTTX2001	Perform knitting operations	
MSTTX2008	Operate a machine for complex production operations	
MSTTX3003	Set up, adjust and maintain industrial sewing machines	
MSTTX3011	Set up, adjust and monitor a machine for TCF production	
MEM12023A	Perform engineering measurements	
MEM12024A	Perform computations	
MEM13003B	Work safely with industrial chemicals and materials	
MEM14004A	Plan to undertake a routine task	
MEM14005A	Plan a complete activity	
MEM17003A	Assist in the provision of on the job training	
PMASUP420	Minimise environmental impact of process	

Qualification Mapping Information

Release 1. Supersedes:

- LMT40107 Certificate IV in Textile Technology and Production
- LMT41107 Certificate IV in Textile Design and Development.

Equivalent

Links

MSA Training Package Implementation Guides - http://mskills.org.au/training-packages/info/