



Australian Government

Department of Education, Employment and Workplace Relations

LMT30107 Certificate III in Textile Production

Revision Number: 1

LMT30107 Certificate III in Textile Production

Modification History

Not applicable.

Description

Job roles/employment outcomes

Certificate III reflects vocational outcomes for those performing supervision roles, specialised technical tasks or multi-skilled roles within a textile production or early stage wool processing environment.

The Certificate III in Textile Production also includes a pathway for textile production operators who wish to proceed to gain additional mechanical skills related to the set-up, maintenance and operation of their equipment.

Application

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

The Certificate III in Textile Production, Textile Mechanic pathway caters for those TCF enterprises where the emphasis on a TCF Mechanic's duties are on the set up, change over and non-heavy engineering related repair of equipment. Where greater repair and engineering skills are required than is available in this pathway, then LMT31909 Certificate III in Engineering - TCF Mechanic or the proposed Certificate IV Engineering - TCF Technician developed for the Metal and Engineering Training Package should be considered.

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 LMT20107 Certificate II in Textile Production, LMT20207 Certificate II in Textile Production (Complex or Multiple Processes), or achieved equivalent industry experience.

Pathways from the qualification

Further training pathways from this qualification include LMT40107 Certificate IV in Textile Technology and Production, MEM40105 Certificate IV in Engineering, 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 Textile Production

The following table contains a summary of the Employability Skills as identified by the Textile Production 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • identify and report problems and make contributions to their solution • investigate problem causes • implement changes • examine tools 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

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

Initiative and enterprise	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 • identify and monitor resource use in own work
Self-management	<ul style="list-style-type: none"> • 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 • 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 • conduct work in a manner which minimises waste
Learning	<ul style="list-style-type: none"> • 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 • identify sources of information to expand knowledge and understanding

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

- identify and address skill development needs of others in the team

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

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 Textile Production, 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.

If Certificate II in Textile Production (Complex or Multiple Processes) has been achieved, an additional six (6) units are required. The six (6) units must include core unit LMTGN3002B Organise and plan own work to achieve planned outcomes, plus three (3) units selected from Group B, E or F. The remaining two (2) units must not have been used as credit towards the Certificate II outcome.

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

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures

Unit code	Unit title
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.

For the Textile Production pathway:

- A minimum of two (2) units must be selected from Group A When this qualification is applied for a textile production context, the two (2) units must be selected from Group A units coded TX When this qualification is applied for an early stage wool context, the two (2) units must be selected from Group A units coded EW
- A minimum of two (2) units must be selected from Group B
- A maximum of two (2) units may be selected from Groups D and F
- A maximum of three (3) units may be selected from Group G
- The remainder must be selected from Groups A, B and C.
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For the TCF Mechanic pathway:

- A minimum of five (5) units must be selected from Group A When this qualification is applied for a textile production context, the five (5) units must be selected from Group A units coded TX When this qualification is applied for an early stage wool context, the five (5) units must be selected from Group A units coded EW
- A minimum of two (2) units must be selected from Group B
- A minimum of three (3) units must be selected from Group E
- A maximum of two (2) units may be selected from Groups D and F
- A maximum of three (3) units may be selected from Group G
- The remainder must be selected from Groups A, B, C and E.

NOTE: Competitive Manufacturing Training Package units, identified as MSACM in the code (packaged in Groups D and F), should be selected on the basis of work requirements. Those at Certificate II level (units in the 200 series packaged in Group D) 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 (packaged in Groups F).

GROUP A

Unit code	Unit title	Prerequisites
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Unit code	Unit title	Prerequisites
LMTEW2001A	Blend and open greasy wool	
LMTEW2002A	Press and dump wool	
LMTEW2004A	Perform wool combing	
LMTEW2005A	Perform wool preparation using gilling machinery	
LMTEW2006A	Perform wool finishing	
LMTEW2007A	Perform wool pressing operations	
LMTEW2008A	Perform wool backwash process	
LMTEW2009A	Perform wool scouring	
LMTEW2010A	Perform wool carbonising	
LMTEW2011A	Perform wool superwash	
LMTEW2012A	Perform tests to check wool quality	
LMTEW2013A	Perform wool grease recovery and monitor waste disposal	
LMTEW2014A	Perform machine setting and operational maintenance	
LMTEW2015A	Perform wool store operations	
LMTTX2001B	Identify fibres, yarns and textile materials	

Unit code	Unit title	Prerequisites
	and their uses in textile production	

Unit code	Unit title	Prerequisites
LMTTX2002B	Prepare yarn for textile manufacturing	
LMTTX2003B	Perform spinning operations	
LMTTX2004B	Perform tufting operations	
LMTTX2005B	Perform creeling operations	
LMTTX2006B	Operate a weaving loom	
LMTTX2007B	Perform knitting operations	
LMTTX2008B	Apply finishing processes to textile production	
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	
LMTTX2015B	Handle and prepare chemicals, dyes or other substances used	

Unit code	Unit title	Prerequisites
	in textile production	

Unit code	Unit title	Prerequisites
LMTTX2016B	Perform knotting for weaving operations	
LMTTX2017B	Access and use information resources for textile production operations	
LMTTX2018B	Restart machine after stoppage	
LMTTX2019B	Undertake carding operations	

GROUP B

Unit code	Unit title	Prerequisites
LMTTX3001B	Identify quality and types of textile fibres, yarns and fabrics	LMTTX2001B
LMTTX3002B	Contribute to textile production process improvements	LMTGN2002B
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	
LMTTX3009B	Operate in a complex textile production environment	

Unit code	Unit title	Prerequisites
LMTTX3010B	Monitor textile production processes	

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	
MEM11010B	Operate mobile load shifting equipment	

GROUP D

Unit code	Unit title	Prerequisites
MSACMC210A	Manage the impact of change on own work	
MSACMS200A	Apply competitive manufacturing	

Unit code	Unit title	Prerequisites
	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	
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 E

Unit code	Unit title	Prerequisites
LMTGN2005B	Perform minor maintenance	
LMTTX3011A	Set up, adjust and maintain circular knitting machines	
LMTTX3012A	Set up, adjust and maintain flat knitting machines	
LMTTX3013A	Set up, adjust and maintain spinning machines	
LMTTX3014A	Set up, adjust and maintain carding machines	LMTTX3001B
LMTTX3015A	Set up, adjust and maintain tufting machines	LLMTTX4002A
LMTTX3016A	Set up, adjust and maintain domestic sewing machines	
LMTTX3017A	Set up, adjust and maintain industrial sewing machines	
LMTTX3018A	Undertake electronic fault finding on textile machinery	
LMTTX3019A	Identify and correct mechanical faults in loom and other weaving equipment	
LMTTX3020A	Identify and correct weaving process faults	
LMTTX3021A	Apply knowledge of	

Unit code	Unit title	Prerequisites
	weaving process to production requirements	

Unit code	Unit title	Prerequisites
LMTTX3022A	Set up and operate weaving loom for production	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	

GROUP F

Unit code	Unit title	Prerequisites
MSACMC410A	Lead change in a manufacturing environment	
MSACMS400A	Implement a competitive manufacturing system	
MSACMS401A	Ensure process improvements are sustained	
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	

Unit code	Unit title	Prerequisites
	manufacturing	
MSACMT460A	Facilitate the use of planning software systems in manufacturing	MSACMT260A
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 G

Other Textile Production 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)