



Australian Government

**MEM31822 Certificate III in Engineering -
Textile Mechanic**

MEM31822 Certificate III in Engineering - Textile Mechanic

Modification History

Release	Comments
2	Unit MSTTX3002 Contribute to textile production process improvements deleted from elective table Group A.
1	This qualification was first released in MEM Manufacturing and Engineering Release 3.0.

Qualification Description

This qualification defines the skills and knowledge required of an Engineering Tradesperson – Textile Mechanic within textile related industries.

The skills associated with this qualification are intended to apply to a wide range of textile mechanic trade work, including setting up, adjusting and maintaining carding, footwear manufacture, knitting, sewing, spinning, tufting, or weaving machinery.

This qualification is designed to provide an industry recognised skills profile related to work as a textile mechanic. Skills development should be undertaken through an Australian Apprenticeship arrangement where the mix of on and off-the-job training would be specified in the Training Plan associated with the Contract of Training between the employer and apprentice.

Assessment of some units of competency must, where indicated, include evidence of the candidate's performance in a functioning workplace where there is a sufficient range of appropriate tasks and materials to cover the scope of application of those units. All outcomes must reflect the standard of performance inherent in the job.

In some jurisdictions, units in this qualification may relate to licensing or regulatory requirements. Licensing and regulatory information is included in the relevant units of competency. Local regulations should be checked.

Licensing/Regulatory Information

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To be awarded the MEM31822 Certificate III in Engineering - Textile Mechanic units of competency to a minimum value of 96 points must be achieved, chosen as outlined below:

- all core units of competency listed below (totalling 33 points) and
- units to a minimum value of 12 points from Group A electives as described below and
- units from Group B electives to bring the total value of Groups A and B to a minimum value of 40 points as described below and
- units to a maximum value of 23 points may be taken from Group C electives to bring the total value to at least 96 points.

Group C elective units to the value of eight (8) points, that are relevant to work as a textile mechanic and do not duplicate skills and knowledge already available in units within this qualification, may be chosen from this Training Package, other endorsed Training Packages and accredited courses where those units are available for inclusion at Certificate III.

Registered Training Organisations (RTOs) must seek a determination from the industry parties in respect of the allocations of point values for units of competency drawn from other Training Packages or accredited courses. Determination of points requests are to be submitted to the industry parties through Manufacturing Industry Skills Alliance. Refer to the MEM Companion Volume Implementation Guide for information on determination of unit point values.

No other descriptor can be used.

Prerequisites

Prerequisite units count towards the total number of units. Units with prerequisite requirements are marked with an asterisk (refer to the individual units for details). All prerequisites are included in the qualification.

Core units of competency

Unit code	Unit title	P	Prereq
MEM09002	Interpret technical drawing	4	*
MEM11011	Undertake manual handling	2	*
MEM12023	Perform engineering measurements	5	*
MEM12024	Perform computations	3	*
MEM13015	Work safely and effectively in manufacturing and engineering	2	
MEM14006	Plan work activities	4	*
MEM16006	Organise and communicate information	2	*
MEM16008	Interact with computing technology	2	*

MEM17003	Assist in the provision of on-the-job training	2	*
MEM18001	Use hand tools	2	*
MEM18002	Use power tools/hand held operations	2	*
MSMENV272	Participate in environmentally sustainable work practices	3	

Elective units of competency

Group A

Unit code	Unit title	P	Prereq
MEM18003	Use tools for precision work	4	*
MEM18055	Dismantle, replace and assemble engineering components	3	*
MSTTX3014	Set up, adjust and maintain industrial sewing machines	5	
MSTTX3011	Set up, adjust and monitor a machine for TCF production	5	

Group B

Unit code	Unit title	P	Prereq
MEM07005	Perform general machining	8	*
MEM07015	Set computer controlled machines and processes	2	*
MEM07024	Operate and monitor machine and process	4	*
MEM07028	Operate computer controlled machines and processes	2	*
MEM10006	Install machine/plant	4	*
MEM12006	Mark off/out (general engineering)	4	*
MEM18005	Perform fault diagnosis, installation and removal of bearings	4	*
MEM18006	Perform precision fitting of engineering components	6	*
MEM18007	Maintain and repair mechanical drives and mechanical transmission assemblies	4	*
MEM18008	Balance equipment	2	*
MEM18009	Perform precision levelling and alignment of machines and engineering components	4	*

MEM18010	Perform equipment condition monitoring and recording	4	*
MEM18011	Shut down and isolate machines/equipment	2	*
MEM18012	Perform installation and removal of mechanical seals	2	*
MEM18018	Maintain pneumatic system components	4	*
MEM18020	Maintain hydraulic system components	4	*
MEM18071	Connect and disconnect fluid conveying system components	2	*
MEM18072	Manufacture fluid conveying conductor assemblies	4	*
MEM27006	Diagnose and rectify batteries, low voltage sensors and circuits	8	*

Group C

Unit code	Unit title	P	Prereq
MEM05004	Perform routine oxy fuel gas welding	2	*
MEM05005	Carry out mechanical cutting	2	*
MEM05006	Perform brazing and/or silver soldering	2	*
MEM05007	Perform manual heating and thermal cutting	2	*
MEM05012	Perform routine manual metal arc welding	2	*
MEM05049	Perform routine gas tungsten arc welding	2	*
MEM05050	Perform routine gas metal arc welding	2	*
MEM05052	Apply safe welding practices	4	*
MEM05085	Select welding processes	2	*
MEM05095	Weld using flame powder spraying	4	*
MEM05097	Weld using oxy fuel gas welding process	4	*
MEM06003	Carry out heat treatment	6	*
MEM06007	Perform basic incidental heat/quenching, tempering and annealing	2	*
MEM07006	Perform lathe operations	4	*
MEM07007	Perform milling operations	4	*

MEM07008	Perform grinding operations	4	*
MEM07016	Set and edit computer controlled machines and processes	4	*
MEM09003	Prepare basic engineering drawing	8	*
MEM09011	Apply basic engineering design concepts	6	*
MEM10002	Terminate and connect electrical wiring	3	*
MEM10004	Enter and change programmable controller operational parameters	2	*
MEM11010	Operate mobile load shifting equipment	4	*
MEM11016	Order materials	2	*
MEM11022	Operate fixed/moveable load shifting equipment	4	*
MEM12002	Perform electrical/electronic measurement	2	*
MEM12003	Perform precision mechanical measurement	2	*
MEM13001	Perform emergency first aid	1	*
MEM13003	Work safely with industrial chemicals and materials	2	*
MEM13019	Undertake work health and safety activities in the workplace	3	
MEM15003	Use improvement processes in team activities	4	*
MEM16005	Operate as a team member to conduct manufacturing, engineering or related activities	2	*

Pre-requisite Requirements

Unit of competency	Prerequisite requirement
MEM18011 Shut down and isolate machines/equipment	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM16006 Organise and communicate information	MEM13015 Work safely and effectively in manufacturing and engineering

MEM07016 Set and edit computer controlled machines and processes	<p>MEM16006 Organise and communicate information</p> <p>MEM14006 Plan work activities</p> <p>MEM07028 Operate computer controlled machines and processes</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM07005 Perform general machining</p> <p>MEM07015 Set computer controlled machines and processes</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM18006 Perform precision fitting of engineering components	<p>MEM16006 Organise and communicate information</p> <p>MEM18055 Dismantle, replace and assemble engineering components</p> <p>MEM14006 Plan work activities</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM18003 Use tools for precision work</p> <p>MEM11011 Undertake manual handling</p>

	<p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM18072 Manufacture fluid conveying conductor assemblies	<p>MEM16006 Organise and communicate information</p> <p>MEM05006 Perform brazing and/or silver soldering</p> <p>MEM18001 Use hand tools</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM18055 Dismantle, replace and assemble engineering components	<p>MEM16006 Organise and communicate information</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM07008 Perform grinding operations	<p>MEM16006 Organise and communicate information</p> <p>MEM14006 Plan work activities</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM07005 Perform general machining</p>

	<p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM07028 Operate computer controlled machines and processes	<p>MEM16006 Organise and communicate information</p> <p>MEM07024 Operate and monitor machine and process</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM16005 Operate as a team member to conduct manufacturing, engineering or related activities	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM11016 Order materials	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p>
MEM10002 Terminate and connect electrical wiring	<p>MEM16006 Organise and communicate information</p> <p>MEM18001 Use hand tools</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM12002 Perform electrical/electronic measurement</p> <p>MEM09002 Interpret technical drawing</p>
MEM11010 Operate mobile load shifting equipment	<p>MEM16006 Organise and communicate information</p>

	<p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM05007 Perform manual heating and thermal cutting	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM18007 Maintain and repair mechanical drives and mechanical transmission assemblies	<p>MEM16006 Organise and communicate information</p> <p>MEM18055 Dismantle, replace and assemble engineering components</p> <p>MEM14006 Plan work activities</p> <p>MEM18006 Perform precision fitting of engineering components</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM18003 Use tools for precision work</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>

MEM13003 Work safely with industrial chemicals and materials	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM18012 Perform installation and removal of mechanical seals	<p>MEM16006 Organise and communicate information</p> <p>MEM18055 Dismantle, replace and assemble engineering components</p> <p>MEM14006 Plan work activities</p> <p>MEM18006 Perform precision fitting of engineering components</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM18003 Use tools for precision work</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM05006 Perform brazing and/or silver soldering	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM18018 Maintain pneumatic system components	<p>MEM16006 Organise and communicate information</p>

	<p>MEM18055 Dismantle, replace and assemble engineering components</p> <p>MEM14006 Plan work activities</p> <p>MEM18006 Perform precision fitting of engineering components</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM18003 Use tools for precision work</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM07007 Perform milling operations	<p>MEM16006 Organise and communicate information</p> <p>MEM14006 Plan work activities</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM07005 Perform general machining</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>

MEM18010 Perform equipment condition monitoring and recording	<p>MEM16006 Organise and communicate information</p> <p>MEM18055 Dismantle, replace and assemble engineering components</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM05085 Select welding processes	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p>
MEM12006 Mark off/out (general engineering)	<p>MEM16006 Organise and communicate information</p> <p>MEM14006 Plan work activities</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM05005 Carry out mechanical cutting	<p>MEM16006 Organise and communicate information</p> <p>MEM18001 Use hand tools</p>

	<p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p>
MEM13001 Perform emergency first aid	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM07024 Operate and monitor machine and process	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM09003 Prepare basic engineering drawing	<p>MEM16006 Organise and communicate information</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM18071 Connect and disconnect fluid conveying system components	<p>MEM16006 Organise and communicate information</p> <p>MEM13003 Work safely with industrial chemicals and materials</p> <p>MEM18001 Use hand tools</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>

MEM15003 Use improvement processes in team activities	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p>
MEM14006 Plan work activities	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p>
MEM06003 Carry out heat treatment	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM18001 Use hand tools	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM05095 Weld using flame powder spraying	<p>MEM16006 Organise and communicate information</p> <p>MEM14006 Plan work activities</p> <p>MEM05097 Weld using oxy fuel gas welding process</p> <p>MEM05052 Apply safe welding practices</p> <p>MEM05085 Select welding processes</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p>

	<p>MEM05004 Perform routine oxy fuel gas welding</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM06007 Perform basic incidental heat/quenching, tempering and annealing	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM12002 Perform electrical/electronic measurement	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p>
MEM18005 Perform fault diagnosis, installation and removal of bearings	<p>MEM16006 Organise and communicate information</p> <p>MEM18055 Dismantle, replace and assemble engineering components</p> <p>MEM14006 Plan work activities</p> <p>MEM18006 Perform precision fitting of engineering components</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM18003 Use tools for precision work</p>

	<p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM16008 Interact with computing technology	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p>
MEM10006 Install machine/plant	<p>MEM16006 Organise and communicate information</p> <p>MEM18055 Dismantle, replace and assemble engineering components</p> <p>MEM14006 Plan work activities</p> <p>MEM18006 Perform precision fitting of engineering components</p> <p>MEM18009 Perform precision levelling and alignment of machines and engineering components</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM18003 Use tools for precision work</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM05050 Perform routine gas metal arc welding	<p>MEM16006 Organise and communicate information</p>

	MEM13015 Work safely and effectively in manufacturing and engineering MEM11011 Undertake manual handling
MEM07005 Perform general machining	MEM16006 Organise and communicate information MEM14006 Plan work activities MEM18001 Use hand tools MEM12024 Perform computations MEM13015 Work safely and effectively in manufacturing and engineering MEM11011 Undertake manual handling MEM12023 Perform engineering measurements MEM09002 Interpret technical drawing
MEM05049 Perform routine gas tungsten arc welding	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering MEM11011 Undertake manual handling
MEM11022 Operate fixed/moveable load shifting equipment	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering MEM11011 Undertake manual handling
MEM12024 Perform computations	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering
MEM18003 Use tools for precision work	MEM16006 Organise and communicate information

	<p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p>
MEM18020 Maintain hydraulic system components	<p>MEM16006 Organise and communicate information</p> <p>MEM18055 Dismantle, replace and assemble engineering components</p> <p>MEM14006 Plan work activities</p> <p>MEM18006 Perform precision fitting of engineering components</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM18003 Use tools for precision work</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM10004 Enter and change programmable controller operational parameters	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p>

	<p>MEM16008 Interact with computing technology</p> <p>MEM09002 Interpret technical drawing</p>
MEM09002 Interpret technical drawing	<p>MEM16006 Organise and communicate information</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM12023 Perform engineering measurements</p>
MEM05052 Apply safe welding practices	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p>
MEM12023 Perform engineering measurements	<p>MEM16006 Organise and communicate information</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p>
MEM07015 Set computer controlled machines and processes	<p>MEM16006 Organise and communicate information</p> <p>MEM14006 Plan work activities</p> <p>MEM07028 Operate computer controlled machines and processes</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM07005 Perform general machining</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p>

	MEM09002 Interpret technical drawing
MEM17003 Assist in the provision of on-the-job training	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering
MEM05004 Perform routine oxy fuel gas welding	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering MEM11011 Undertake manual handling
MEM05012 Perform routine manual metal arc welding	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering MEM11011 Undertake manual handling
MEM18008 Balance equipment	MEM16006 Organise and communicate information MEM18055 Dismantle, replace and assemble engineering components MEM14006 Plan work activities MEM18006 Perform precision fitting of engineering components MEM18002 Use power tools/hand held operations MEM18001 Use hand tools MEM12024 Perform computations MEM13015 Work safely and effectively in manufacturing and engineering MEM18003 Use tools for precision work MEM11011 Undertake manual handling

	MEM12023 Perform engineering measurements MEM09002 Interpret technical drawing
MEM11011 Undertake manual handling	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering
MEM18002 Use power tools/hand held operations	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering MEM11011 Undertake manual handling
MEM12003 Perform precision mechanical measurement	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering MEM11011 Undertake manual handling MEM12023 Perform engineering measurements
MEM27006 Diagnose and rectify batteries, low voltage sensors and circuits	MEM16006 Organise and communicate information MEM18055 Dismantle, replace and assemble engineering components MEM18002 Use power tools/hand held operations MEM18001 Use hand tools MEM13015 Work safely and effectively in manufacturing and engineering MEM11011 Undertake manual handling MEM12023 Perform engineering measurements

	MEM09002 Interpret technical drawing
MEM18009 Perform precision levelling and alignment of machines and engineering components	<p>MEM16006 Organise and communicate information</p> <p>MEM18055 Dismantle, replace and assemble engineering components</p> <p>MEM14006 Plan work activities</p> <p>MEM18006 Perform precision fitting of engineering components</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM18003 Use tools for precision work</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM05097 Weld using oxy fuel gas welding process	<p>MEM16006 Organise and communicate information</p> <p>MEM14006 Plan work activities</p> <p>MEM05052 Apply safe welding practices</p> <p>MEM05085 Select welding processes</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p>

	<p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM05004 Perform routine oxy fuel gas welding</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM09011 Apply basic engineering design concepts	<p>MEM16006 Organise and communicate information</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>
MEM07006 Perform lathe operations	<p>MEM16006 Organise and communicate information</p> <p>MEM14006 Plan work activities</p> <p>MEM18001 Use hand tools</p> <p>MEM12024 Perform computations</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEM07005 Perform general machining</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12023 Perform engineering measurements</p> <p>MEM09002 Interpret technical drawing</p>

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
MEM31822 Certificate III in Engineering - Textile Mechanic	LMT31909 Certificate III in Engineering - TCF Mechanic		Equivalent

Links

Companion volumes, including implementation guides, are found on the national training register - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=45a7f1d5-61a5-447a-9688-7abbd7e1a5c7>.