



Australian Government

MEM31019 Certificate III in Watch and Clock Service and Repair

Release 2

MEM31019 Certificate III in Watch and Clock Service and Repair

Modification History

Release 2. Mandatory training contract pathway added.

Release 1. Supersedes and is equivalent to MEM31010 Certificate III in Watch and Clock Service and Repair.

Qualification Description

This qualification defines the skills and knowledge required of a watch and clock service and repair tradesperson within a variety of watch and clock service related industries, including retail stores, manufacturer service centres and specialist watch and clock service and repair businesses. This also includes self-employment.

This qualification has been specifically developed for apprentices in trades related to watch and clock servicing and repair and describes the skills and knowledge required to perform trade work in watch and clock service and repair.

This qualification must be undertaken through a Training Contract or through formal trade recognition assessment processes.

The skills associated with this qualification are intended to apply to a wide range of watch and clock service and repair work, including undertaking the disassembly, assembly, installation, adjustment, replacement, modification, testing, fault finding, and maintenance and service of watch and clock cases, mechanisms and other relevant components.

This qualification is designed to reflect the industry recognised skills profile associated with trade work as a watch and clock service and repair tradesperson.

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.

No licensing, legislative or certification requirements apply to this qualification at the time of publication. However, in some jurisdictions units in this qualification may relate to licensing or regulatory requirements. Local regulations should be checked.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To be awarded the MEM31019 Certificate III in Watch and Clock Service and Repair, units of competency to the value of 96 points must be achieved, chosen as outlined below:

- core units of competency listed below (totalling 33 points)

- elective units of competency to a minimum value of 40 points from Group A
- elective units of competency to a maximum value of 23 points from Group B to bring the total value to 96 points.

Appropriate Group B elective units to the value of 8 points may be chosen from this Training Package, other endorsed Training Packages and accredited courses where those units are available for inclusion at Certificate III. Only select units that would be suitable for occupational outcomes in a watch and clock service and repair trade environment.

Registered Training Organisations (RTOs) must seek a determination from the industry parties in respect of the allocation of points 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 Innovation and Business Skills Australia (IBSA) Manufacturing. Refer to the MEM Companion Volume Implementation Guide for information on determination of unit points values.

Prerequisites

Points associated with prerequisites count towards the total. Units with prerequisite requirements are marked with an asterisk (refer to the individual units for details). All prerequisites are included in the units listed.

Core units of competency

Unit code	Unit title	P	Pre req
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	Pre req
MEM05001	Perform manual soldering/desoldering - electrical/electronic components	4	*
MEM06007	Perform basic incidental heat/quenching, tempering and annealing	2	*
MEM07005	Perform general machining	8	*
MEM12002	Perform electrical/electronic measurement	2	*
MEM21001	Replace watch batteries, capacitors and bands	2	*
MEM21002	Perform watch movement exchange	2	*
MEM21003	Perform watch case servicing, repair and refurbishment	4	*
MEM21004	Clean watch and clock components	2	*
MEM21005	Diagnose faults in quartz watches	2	*
MEM21006	Service quartz watches	4	*
MEM21007	Service complex quartz watches	4	*
MEM21008	Service mechanical watches	4	*
MEM21009	Inspect, diagnose, adjust and repair mechanical watches	4	*
MEM21010	Service watch power generating systems	2	*
MEM21011	Service calendar and other dial indication mechanisms for watches	4	*
MEM21012	Service and repair mechanical watch oscillating systems	4	*
MEM21013	Service, test and adjust watch escapements	4	*
MEM21014	Service mechanical chronograph watches	6	*
MEM21015	Perform precision watch timing and adjustment	6	*
MEM21016	Install and set up clocks	2	*
MEM21017	Service and repair clock timepieces	6	*

Unit code	Unit title	P	Pre req
MEM21018	Service clock escapements and oscillating systems	4	*
MEM21019	Service and repair clock striking mechanisms	4	*
MEM21020	Service and repair clock chiming mechanisms	6	*
MEM30025A	Analyse a simple electrical system circuit	4	*

Group B

Unit code	Unit title	P	Pre req
MEM13001	Perform emergency first aid	1	*
MEM13002	Undertake work health and safety activities in the workplace	3	*
MEM15004	Perform inspection	2	*
MEM16004	Perform internal/external customer service	2	*
MEM16005	Operate as a team member to conduct manufacturing, engineering or related activities	2	*
MEM16012	Interpret technical specifications and manuals	4	*
MEM18003	Use tools for precision work	4	*
MEM21021	Restore clockwork mechanisms	6	*
MEM21022	Manufacture watch and clock components	6	*
MEM21023	Plan, set up and operate horological workshop or service centre	4	*

Qualification Mapping Information

Release 2. Supersedes and is equivalent to MEM31019 Certificate III in Watch and Clock Service and Repair (Release 1).

Release 1. Supersedes and is equivalent to MEM31010 Certificate III in Watch and Clock Service and Repair.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>