



# ENGINEERING

## MEM30205 Certificate III in Engineering-Mechanical Trade - Apprenticeship

### COURSE SUMMARY

This qualification covers the skills and knowledge required to work as an Engineering Tradesperson - Mechanical within metal, engineering, manufacturing and associated industries or other industries where Engineering Tradesperson - Mechanical work. The qualification has been specifically developed for apprentices in the above trade. The qualification packaging has been developed on an assumption that competency will be developed through a combination of on and off-the-job learning strategies such as those delivered through a formal apprenticeship. The qualification may also be achieved through formal skills recognition assessment processes

### POSSIBLE CAREER OUTCOMES

Occupational titles that this qualification is suitable for may vary and include mechanical tradesperson, fitter and turner, fitter and machinist, maintenance fitter, diesel fitter, plant mechanic, refrigeration mechanic and 1st class machinist.

### DURATION (GUIDE ONLY)

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### DELIVERY METHOD

Apprenticeship

### ENTRY REQUIREMENTS

You must have a training agreement with a registered employer from a relevant Industry to enrol into the apprenticeship program

### HOW TO APPLY

Call Skillinvest 1300 135 008

### FEES AND CHARGES

Refer to the Fees & Charges on our Skillinvest website ([www.skillinvest.com.au](http://www.skillinvest.com.au))

### QUALIFICATION REQUIREMENTS

The minimum requirements for achievement of the Certificate III in Engineering – Mechanical Trade are:

- Completion of all (12) core units of competency and
- Completion of Group A units to the value of at least 40 points and
- Completion of units from Group B to bring the total value to at least 73 points

*This training is delivered with Victorian and Commonwealth Government funding. Individuals with a range of abilities and backgrounds are encouraged to apply.*





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### CORE UNITS

MEM12023A	Perform Engineering Measurements
MEM12024A	Perform Computations
MEM13014A	Apply Principles of Occupational Health and Safety in the Work Environment
MEM14004A	Plan to Undertake a Routine Task
MEM14005A	Plan a Complete Activity
MEM15002A	Apply Quality Systems
MEM15024A	Apply Quality Procedures
MEM16006A	Organise and Communicate Information
MEM16007A	Work with Others in a Manufacturing, Engineering or Related Environment
MEM16008A	Interact with Computing Technology
MEM17003A	Assist in the Provision of On the Job Training
MSAENV272B	Participate in Environmentally Sustainable Work Practices

### ELECTIVE UNITS (Group B)

MEM05051A	Select Welding Processes
MEM05049B	Perform Routine Gas Tungsten Arc Welding
MEM05013C	Perform Manual Production Welding
MEM05015D	Weld using Manual Metal Arc Welding Process
MEM05050B	Perform Routine Gas Metal Arc Welding
MEM05004C	Perform Routine Oxy Acetylene Welding
MEM05012C	Perform Routine Manual Metal Arc Welding
MEM05052A	Apply Safe Welding Practices
MEM05005B	Carry Out Mechanical Cutting
MEM11010B	Operate Mobile Load Shifting Equipment
MEM11011B	Undertake Manual Handling
MEM16005A	Operate as a Team Member to Conduct Manufacturing, Engineering or Related Activities
MEM11016B	Order Materials

### ELECTIVE UNITS (Group A)

MEM07001B	Perform Operational Maintenance of Machines/Equipment
MEM07003B	Perform Machine Setting (routine)
MEM07005C	Perform General Machining
MEM07006C	Perform Lathe Operations
MEM07007C	Perform Milling Operations
MEM07008D	Perform Grinding Operations
MEM07024B	Operate and Monitor Machine/Process
MEM09002B	Interpret Technical Drawing
MEM12003B	Perform Precision Mechanical Measurement
MEM12006C	Mark Off/Out (General Engineering)
MEM18001C	Use Hand Tools
MEM18002B	Use Power Tools/Hand Held Operations
MEM18003C	Use Tools for Precision Work
MEM18006C	Repair and Fit Engineering Components
MEM18011C	Shut Down and Isolate Machines/Equipment
MEM18020B	Maintain Hydraulic System Components
MEM18021B	Maintain Hydraulic Systems
MEM18055B	Dismantle, Replace and Assemble Engineering Components

\*\* Elective unit selection should be discussed with your training provider to successfully customise a package to meet industry needs