



ENGINEERING

MEM30305 - Certificate III in Engineering Fabrication Trade

COURSE SUMMARY

This qualification covers the skills and knowledge required for employment as an Engineering Tradesperson – Fabrication within the metal, engineering, manufacturing and associated industries or other industries where Engineering Tradespersons – Fabrication work.

CAREER OUTCOMES

Engineering Tradesperson – Metal Fabrication, Forging, Founding, Structural Steel Erection, Electroplating, Metal Spinning, Metal Polishing, Sheet Metal Work

DURATION (GUIDE ONLY)

Class Delivery

Part time: NA / Full time: NA

Traineeship/Apprenticeship

Part time: 72 months / Full time: 48 months

DELIVERY METHOD

Workplace / Flexible Delivery
Classroom

ENTRY REQUIREMENTS

There are no prerequisites for this qualification

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



HOW TO APPLY

Online at: www.skillinvest.com.au

By Phone: Skillinvest Metro 1300 135 008

Skillinvest Regional 1300 308 620

FEES AND CHARGES

Refer to the Fees & Charges link on the Skillinvest website (www.skillinvest.com.au)

QUALIFICATION REQUIREMENTS

The minimum requirements for achievement of the Certificate III in Engineering – Fabrication 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



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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 to complete Activity
MEM15002A	Apply Quality Systems
MEM15024A	Apply Quality Procedures
MEM16007A	Work With Others in a Manufacturing, Engineering or Related Environment
MEM16006A	Organise and Communicate Information
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)

MEM11011B	Undertake Manual Handling
MEM16005A	Operate as a Team Member to Conduct Manufacturing, Engineering or Related Activities
MEM16004B	Perform Internal/External Customer Service
MEM05022C	Perform Advanced Welding Using Oxy Acetylene Welding Process
MEM03001B	Perform Manual Production Assembly
MEM07001B	Perform Operational Maintenance of Machines/Equipment
MEM11010B	Operate Mobile Load Shifting Equipment
MEM12006C	Mark Off/Out (General Engineering)

ELECTIVE UNITS (Group A)

MEM03003B	Perform Sheet and Plate Assembly
MEM05004C	Perform Routine Oxy Acetylene Welding
MEM05005B	Carry Out Mechanical Cutting
MEM05007C	Perform Manual Heating and Thermal Cutting
MEM05010C	Apply Fabrication, Forming and Shaping Techniques
MEM05011D	Assemble Fabricated Components
MEM05012C	Perform Routine Manual Metal Arc Welding
MEM05013C	Perform Manual Production Welding
MEM05015D	Weld Using Manual Metal Arc Welding Process
MEM05017D	Weld Using Gas Metal Arc Welding Process
MEM05019D	Weld Using Gas Tungsten Arc Welding Process
MEM05049B	Perform Routine Gas Tungsten Arc Welding
MEM05050B	Perform Routine Gas Metal Arc Welding
MEM18001C	Use Hand Tools
MEM18002B	Use Power Tools/Hand Held Operations
MEM05051A	Select Welding Processes
MEM05052A	Apply Safe Welding Practices
MEM05006C	Perform Brazing and/or Silver Soldering
MEM12007D	Mark Off/Out Structural Fabrications and Shapes
MEM05036C	Repair/Replace/Modify Fabrications
MEM05037C	Perform Geometric Development
MEM09002B	Interpret Technical Drawing

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