

# FABRICATION

DOMESTIC STUDENTS



## MEM30305 | Certificate III in Engineering

(Fabrication Trade) | Release 4 (16/03/2012)

This qualification covers the skills and knowledge required for employment as an Engineering Trades person - Fabrication within the metal, engineering, manufacturing and associated industries or other industries where Engineering Tradespersons - Fabrication work. The qualification may also be achieved through formal skills recognition assessment processes.

Location <small>Subject to variance depending on the time of enrolment</small>	201 Arden St, North Melbourne, VIC 3051
Duration	62 weeks incl. holidays
Total Tuition Weeks	50 weeks
Delivery & assessment mode	Face-to-face, combination of theory, practical and/or project assessments
Entry requirements	<ul style="list-style-type: none"> <li>• Completion of year 11 or equivalent. (Subject to the assessment and approval of Baxter Institute Admission team.)</li> <li>• Applicants must be 18 years of age and above</li> <li>• Successful completion of Pre-training review (PTR)</li> <li>• LLN Level 3</li> </ul>
Work based training/ Work placement	NIL
Possible pathways for further study	MEM40105 Certificate IV in Engineering MEM50105 Diploma of Engineering (Adv. Trade) (Qualifications not offered at Baxter) or other relevant qualifications
Possible occupational outcomes	Engineering Tradesperson - Fabrication
Fees & Charges*	Full Fee for service
Tuition fee	\$13,600
Administration fee	\$100
Materials fee	\$750

\*Tuition fees and other course related fees are not subject to change once a student has enrolled. All equipment & resources are at student's expense

## Units of Competency

### CORE:

MEM13014A	Apply principles of occupational health and safety in the work environment
MEM16008A	Interact with computing technology
MEM12024A	Perform computations
MEM12023A	Perform engineering measurements
MSAENV272B	Participate in environmentally sustainable work practices
MEM15002A	Apply quality systems
MEM15024A	Apply quality procedures
MEM14004A	Plan to undertake a routine task
MEM14005A	Plan a complete activity
MEM17003A	Assist in the provision of on the job training
MEM16006A	Organise and communicate information
MEM16007A	Work with others in a manufacturing, engineering or related environment

### ELECTIVE:

MEM11011B	Undertake manual handling
MEM05052A	Apply safe welding practices
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEM03003B	Perform sheet and plate assembly
MEM09002B	Interpret technical drawing
MEM05005B	Carry out mechanical cutting
MEM05051A	Select welding processes
MEM05004C	Perform routine oxy acetylene welding
MEM05006C	Perform brazing and/or silver soldering
MEM05007C	Perform manual heating and thermal cutting
MEM05008C	Perform Advanced manual thermal cutting, gouging and shaping
MEM05014C	Monitor quality of production welding/fabrications
MEM24001B	Perform basic penetrant testing
MEM05012C	Perform routine manual metal arc welding
MEM05015D	Weld using manual metal arc welding process
MEM05016C	Perform Advanced welding using manual metal arc welding process
MEM05050B	Perform routine gas metal arc welding
MEM05017D	Weld using gas metal arc welding process
MEM05018C	Perform Advanced welding using gas metal arc welding process
MEM12007D	Mark off/out structural fabrications and shapes
MEM05047B	Weld using flux core arc welding process
MEM05048B	Perform Advanced welding using flux core arc welding process
MEM11016B	Order materials
MEM05049B	Perform routine gas tungsten arc welding
MEM05019D	Weld using gas tungsten arc welding process
MEM05013C	Perform manual production welding