

Fabrication

Qualification

- MEM30305 - Certificate III in Engineering (Fabrication)

Our Delivery

At Training Prospects we deliver our training in a flexible method, to suit you – the employer. We offer:

- A combination of on-job and off-job training methodologies
- Intake for new apprentices all year around
- Training delivered in both metro and regional areas

Our on-job / off-job combination training benefits you as the employer in many ways which include:

- Having more input in your employees training
- Gaining more of an understanding of your employees training requirements
- Direct liaison with your employees trainer

Training Prospects off-job training facilities have been designed and maintained with industry best practice in mind. They provide students with the opportunity to learn the key traditional skills of their chosen vocation as well as modern techniques.

Qualification Summary

Training Prospects offers a range of training in engineering related qualifications. A qualification in engineering - fabrication will give your trainee the backing to work effectively in a range of fabrication areas. These areas include but are not limited to:

- Boilermaker (Metal Fabricator)
- Engineering Patternmaker
- Foundry Moulder / Core Maker
- Sheetmetal Worker
- Welder

Subject to eligibility, some or all of the costs of Training Prospects training solutions may be offset using Commonwealth Incentives.

Contact Details

For further information or to discuss your organisations needs please contact:

Training Prospects

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Sample Training Plan

Qualification Title: MEM30305 - Certificate III in Engineering (Fabrication Trade)

Term of Contract: 48 Months

Units of Competency

For contracts in excess of twelve (12) months, electives may be negotiated after the core units have been completed or further into the contract to enable trainees / apprentices to pursue developing interests.

*denotes mandatory subjects

Code	Title	Nom. Hours
Mandatory		
MEM12.23A	Perform engineering measurements	30
MEM12.24A	Perform computations	30
MEM13.14B	Apply principles of OH&S in the work environment	10
MEM14.4A	Plan to undertake a routine task	18
MEM14.5A	Plan a complete activity	20
MEM15.2A	Apply quality systems	20
MEM15.24A	Apply quality procedures	18
MEM16.6A	Organise and communicate information	20
MEM16.7A	Work with others in a manufacturing, engineering or related environment	18
MEM16.8A	Interact with computing technology	20
MEM17.3A	Assist in the provision of on the job training	20
Fabrication Trade		
MEM5.4C	Perform routine oxy acetylene welding	20
MEM5.5B	Carry out mechanical cutting	20
MEM5.6B	Perform brazing and/or silver soldering	20
MEM5.7C	Perform manual heating and thermal cutting	20
MEM5.8C	Perform advanced manual thermal cutting, gouging and shaping	20
MEM5.11C	Assemble fabricated components	80
MEM5.12C	Perform routine manual metal arc welding	20
MEM5.15C	Weld using manual metal arc welding process	60
MEM5.36C	Repair / replace / modify fabrications	40
MEM5.50B	Perform routine gas metal arc welding	20
MEM5.51A	Select welding processes	20
MEM5.52A	Apply safe welding practices	40
MEM9.2B	Interpret technical drawing	40
MEM18.1C	Use hand tools	20
MEM18.2B	use power tools/hand held operations	20
Specialisation Units		
MEM5.10B	Apply fabrication, forming and shaping techniques	80
MEM5.17C	Weld using gas metal arc welding process	60
MEM5.18C	Perform advance welding using gas metal arc welding process	80
MEM5.37B	Perform geometric development	60
MEM5.38B	Perform advanced geometric development - cylindrical / rectangular	20
MEM5.40B	Perform advanced geometric development - transitions	40
MEM30.12A	Apply mathematical techniques in a manufacturing engineering or related environment	40

TOTAL 1050