

Competitive Manufacturing Initiative

The Competitive Manufacturing Initiative (CMI) is a collaborative response from Australia's Manufacturing Industry Training Advisory Bodies (ITABs) funded by the D.E.S.T. The initiative is designed to assist Australian manufacturers to become more globally competitive through innovative Vocational Education and Training (VET).

The aim of this initiative is to introduce new manufacturing concepts and processes to the manufacturing sector, which will help this sector to create a stronger focus on:

- The design and innovation process
- Leadership of manufacturing practice
- Preventive maintenance systems
- Technological system improvement
- Integrated business and logistical support
- Lean manufacturing systems (e.g. value chain mapping, competitive manufacturing practices, process improvement systems)
- Tools to support lean manufacturing e.g. just in time, 5S, quick changeover procedures, cost optimisation, SCADA systems, quality standards, mistake proofing a production process, undertake root cause analysis
- Change management (leading change in a manufacturing environment, manage people relationship)

The CMI project will contribute to the performance of the manufacturing industry by assisting leading Registered Training Organisations to develop training that closely matches emerging industry needs. It is anticipated the new training model that links traditional technical skills with new models of systems and process management will deliver significant "bottom line" benefits to companies.

Program Structure - MCM40104 Certificate IV in Competitive Manufacturing

This certificate consists of 10 units of competency, which can be organised in the following clusters:

Develop, standardise and apply procedures

- MCMS200A Apply competitive manufacturing practices
- MCMS201A Sustain process improvements
- MCMT220A Apply quick changeover procedures

Protect you equipment and processes

- MCMT451A Mistake proof a production process
- MCMT481A Undertake proactive maintenance analyses

Implement changes and develop management systems

- MCMC410A Lead change in a manufacturing environment
- MCMT440A Lead 5S in a manufacturing environment
- MCMS400A Implement a competitive manufacturing system

Improve business performance

- MCMT452A Apply statistics to processes in manufacturing
- MCMT430A Improve cost factors in work practices

Who should attend?

Certificate IV in Competitive Manufacturing will primarily support the training needs of employees who have leadership responsibilities in implementing manufacturing practice systems such as team leaders, supervisors and managers.

This qualification is also appropriate for machine operators who work under minimum supervision, where they have to self-manage themselves and make complex decisions independently.

Fees: Please contact TFIA.

Delivery plan

Workshop Number	Duration	Unit
1 & 2	Instructional part 3 hours	<ul style="list-style-type: none"> ❖ MCMS200A Apply competitive manufacturing practices ❖ MCMS201A Sustain process improvements ❖ MCMT220A Apply quick changeover procedures
	Practical part 3 hours	
3 & 4	Instructional part 3 hours	<ul style="list-style-type: none"> ❖ MCMT451A Mistake proof a production process ❖ MCMT481A Undertake proactive maintenance analyses
	Practical part 3 hours	
5 & 6	Instructional part 3 hours	<ul style="list-style-type: none"> ❖ MCMC410A Lead change in a manufacturing environment ❖ MCMT440A Lead 5S in a manufacturing environment ❖ MCMS400A Implement a competitive manufacturing system
	Practical part 3 hours	
7 & 8	Instructional part 3 hours	<ul style="list-style-type: none"> ❖ MCMT452A Apply statistics to processes in manufacturing ❖ MCMT430A Improve cost factors in work practices
	Practical part 3 hours	

For further information please contact:

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