

NATIONAL CERTIFICATE IN COMPETITIVE MANUFACTURING TECHNICAL APPLICATION (Level 3)

50 CREDITS Version 2

The Technical Application strand allows those moving directly to technical support and leadership roles to develop skills to support the implementation of competitive manufacturing.

This qualification takes, on average 7 to 9 months to complete.

Unit Standard Content

Unit Number	Unit Title	Level	Credit Value
21501	Apply competitive manufacturing practices in a competitive manufacturing organisation	2	5
21502	Sustain process improvements in a competitive manufacturing organisation	3	3
21503	Manage the impact of change on own work in a competitive manufacturing organisation	3	3
21507	Interpret product costs in a competitive manufacturing organisation	3	5
21515	Undertake root cause analysis in a competitive manufacturing organisation	3	5

Elective Unit Standard: A minimum of 29 credits at Level 3 or above from the following sets:

Strand - Elective Unit Standards

Balance - Elective Unit Standards – (if required)

Strand - Elective Unit Standards - a minimum of 19 credits

Unit Number	Unit Title	Level	Credit Value
21520	Facilitate a Just in Time (JIT) system in a competitive manufacturing organisation	4	5
21521	Improve cost factors in work practices in a competitive manufacturing organisation	4	5
21522	Analyse manual handling processes in a competitive manufacturing organisation	3	5
21523	Lead 5S in a competitive manufacturing organisation	4	5
21524	Undertake process capability improvements in a competitive manufacturing organisation	4	10
21525	Mistake proof a production process in a competitive manufacturing organisation	4	5
21526	Facilitate use of planning software systems in a competitive manufacturing organisation	4	8
21527	Facilitate System Control and Data Acquisition systems in a competitive manufacturing organisation	4	8
21529	Assist in implementing a proactive maintenance strategy in a competitive manufacturing organisation	4	8
24782	Monitor and control a manufacturing levelled pull system in a competitive manufacturing organisation	4	5
24783	Facilitate continuous improvement in a competitive manufacturing organisation	4	5
24784	Apply statistics to processes for a competitive manufacturing organisation	4	5
24785	Lead a proactive maintenance strategy in a competitive manufacturing organisation	4	5

Balance - Elective Unit Standards (if required)

The balance of credits, if required, to achieve a minimum of 29 credits at Level 3 or above may come from the following list.

Unit Number	Unit Title	Level	Credit Value
18935	Explain principles of TPM used in a competitive manufacturing organisation	3	10
21508	Apply 5S procedures in a competitive manufacturing organisation	3	5
21509	Monitor process capability using three or six sigma in a competitive manufacturing organisation	3	10
21510	Complete quality control tests and record results in a competitive manufacturing organisation	3	5
21513	Use sustainable energy practices in a competitive manufacturing organisation	3	5
21514	Use sustainable environmental practices in a competitive manufacturing organisation	3	5
21516	Contribute to a proactive maintenance strategy in a competitive manufacturing organisation	3	5