

MSS70111 Vocational Graduate Certificate in Sustainable Operations

This qualification provides professional development training and recognition to people exercising leadership or change management functions in an organisation on sustainability, including setting of sustainability strategy and leadership and planning for the deployment of the sustainability strategy.

The qualification packaging has been developed on an assumption that competency will be developed through a combination of on and off-the-job learning strategies and that the learner has access to a workplace for projects.

Job roles/employment outcome

The MSS70111 Vocational Graduate Certificate in Sustainable Operations provides professional development for individuals who already have some previous training or work experience in sustainability systems and processes. It is not an entry level qualification in sustainability. In particular the qualification assumes that learners are already familiar with the basic concepts of sustainability (e.g. triple bottom line, concept of emissions, carbon and carbon equivalence, environmental impact, and so on) and are also familiar with the operations and processes used within their organisation.

Application

The qualification applies to individuals who have responsibility at a strategy level for improving sustainability within an organisation. Aspects of this responsibility may include regulatory responses, setting and monitoring of sustainability related performance indicators, liaison with stakeholders including shareholders, employees, value chain members and the local and general community. Target groups include supervisors, managers and technical experts responsible for implementing sustainability improvement strategies and practices in their organisation and/or all or part of the value chain.

The qualification has been developed with manufacturing operations as a focus. However, because of the range of organisations in a typical manufacturing value chain it may also be applied to other types of organisations.

Entrance requirements

Entrants to the MSS70111 Vocational Graduate Certificate in Sustainable Operations should have one or more of the following:

- Advanced Diploma or Diploma in a sustainability related discipline or relevant technical field, or a relevant Certificate IV or Certificate III together with significant relevant vocational practice in a relevant technical field,
- a Bachelor Degree in a relevant technical field
- another relevant higher education qualification, often with relevant vocational practice
- relevant extensive vocational practice, without formal qualifications but which result in appropriate entry level skills.

Entrants for the qualification should also possess operational or technical skills related to the organisation seeking sustainability improvements either through prior experience or previous study.

Licensing considerations

There are no specific licenses that relate to this qualification.

Packaging rules

To be awarded the MSS70111 Vocational Graduate Certificate in Sustainable Operations competency must be achieved in **five(5)** units of competency.

- **two(2)** core units of competency
- **three (3)** elective units of competency, as specified below

Note: None of the units listed in this qualification have prerequisites.

Core units of competency

- Complete the following **two (2)** units of competency.

Unit code	Unit title
MSS017001A	Analyse and determine organisational risk areas in sustainability
MSS017004A	Lead sustainable strategy deployment

Elective units of competency

- Complete **three (3)** elective units of competency, made up of:
 - a minimum of **two (2)** units from Group A
 - the balance of **one (1)** elective unit, may be selected from:
 - Group A units, not previously selected
 - Group B elective units, listed below.

Group A: Elective units

Unit code	Unit title
MSS017002A	Determine process loss through mass or energy balancing
MSS017003A	Identify and respond to external sustainability factors for an organisation
MSS017005A	Manage a major sustainability non-conformance
MSS017006A	Identify and improve sustainability interactions relations with the community
MSS017007A	Design for sustainability
MSS027002A	Apply environmental legislation, codes and standards
MSACMG712A	Lead a problem solving process to determine and solve root cause

Group B: Elective units

Unit code	Unit title
MSACMG700A	Review continuous improvement processes
MSACMG701A	Prepare for and implement change
MSACMG702A	Review manufacturing practice tools and techniques
MSACMG703A	Analyse process changes
MSACMG704A	Facilitate improvements in the internal value chain

MSACMG705A	Undertake a qualitative review of a process change
MSACMG706A	Build relationships between teams in a manufacturing environment
MSACMG708A	Capture learning from daily activities in a manufacturing organisation
MSACMG709A	Facilitate improvements in the external value chain
MSACMG710A	Improve visual management in the workplace
MSACMG711A	Manage benchmarking studies
MSACMG800A	Analyse data for relevance to organisational learning
MSACMG801A	Develop the competitive manufacturing approach
MSACMG802A	Audit the use of competitive tools
MSAENV672B	Develop workplace policy and procedures for sustainability

One (1) elective unit may be selected from this Training Package, other endorsed Training Packages and accredited courses, where that unit is available at Vocational Graduate Certificate and Vocational Graduate Diploma level.

Employability Skills for MSS70111 Vocational Graduate Certificate in Sustainable Operations

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Consult with internal and external stakeholders on sustainability strategy • Communicate processes and goals to managers, other employees and members of the value chain • Use interpersonal and language skills to encourage collaboration • Identify new improvement opportunities through discussion with internal and external stakeholders
Teamwork	<ul style="list-style-type: none"> • Cultivate collaboration and participation in change processes • Meet with stakeholders to resolve problems • Establish support and ownership among stakeholders for future sustainability objectives
Problem solving	<ul style="list-style-type: none"> • Collect, analyse and interpret data • Determine root causes of non-conformances • Evaluate options for improvements to sustainability performance across the organisation • Analyse effects of potential and actual equipment failures
Initiative and enterprise	<ul style="list-style-type: none"> • Ensure data collection and feedback mechanisms are established for all change implementation processes • Provide leadership during major non-conformances • Identify and implement process improvements • Use analytical and decision making skills to prioritise improvement activities
Planning and organising	<ul style="list-style-type: none"> • Identify data requirements to determine current and future states • Organise data collection systems • Establish team responsibilities for implementation of change • Plan change implementation strategy and identify risk factors
Self management	<ul style="list-style-type: none"> • Manage own time and establish own work schedule • Monitor and evaluate own work quality • Maintain professional and ethical standards in own work • Comply with legislative requirements, codes of practice and organisational policies and procedures
Learning	<ul style="list-style-type: none"> • Identify opportunities for individual and organisational learning • Use feedback from others to establish improvement

processes

- Record learning according to organisational procedures
- Ensure stakeholders are able to access and apply relevant knowledge/learning

Technology

- Analyse systems and technology implications of change options
- Implement procedures to monitor and record equipment availability, performance and availability
- Determine systems compatibility with other members of the value chain
- Use record keeping equipment and programs