ACBI

MSS50122
Diploma of
Sustainable Operations

About this course

Gain the sustainability skills you need to have a rewarding green career. Discover how to develop sustainability business cases, calculate a business's carbon footprint, navigate environmental reporting requirements and more. Be empowered to land a role such as a Sustainability Manager, Environmental Consultant, Energy Officer or Sustainability Specialist.

What will I learn?

- **Discover how businesses can make changes in their supply chains and operations to better support a circular economy. That is, a system that aims to eliminate waste and improve product durability, reuse, repair and recycling.**
- **Learn how to develop strategic sustainability plans and business cases for sustainability improvements**
- **Build your knowledge of regulated sustainability reporting requirements for organisations.**
- **Discover how to determine emissions at different stages of the value chain and calculate carbon footprints**
- **Grow your ability to audit water use in an organisation's process, then recommend significant water usage improvements**

Career Opportunities

- Sustainability Officer
- Environmental Consultant
- Sustainability Manager
- Energy Officer
- Sustainability Specialist

What are the entry requirements

International students:

- Have completed Australian Year 12 (or equivalent)
- Be at least 18 years of age
- Hold IELTS 6.0 English language equivalence if a non-native English speaker
- Have access to a computer and reliable internet connection.

Course Overview

Qualification
Diploma

CRICOS code
112566H

Study mode
Blended learning

Duration
78 weeks

Units
16 Units of Competency

Course Units

Unit code	Unit name	What you'll learn
MSS015054	Lead circular economy initiatives in the supply chain	Explore what the circular economy is and how businesses can use this system to contribute to designing out waste, improving product durabilityand increasing reuse and recycling. Discover how to investigate an organisation's supply chains and operations, then develop and implement circular economy initiatives.
MSS015052	Develop regulated sustainability reports	Build your understanding of mandatory sustainability reporting required under Australian law. Discover which types of organisations are required to submit reports, when they are required to report and what they are required toreport. Also build your practical skills in determining reporting requirements, gathering data and preparing sustainability reports.
MSS015047	Develop strategic sustainability plans	Explore how to prepare plans for an organisation'smajor sustainability-related improvements. Be equipped to identify priority areas for improvement, analyse options, establish project teams and develop sustainability project designs.
MSS015046	Develop a business case for sustainability improvements	Discover how to prepare well-structured and convincing business cases for sustainability improvements that persuade stakeholders and win approvals. Develop your ability to define a sustainability improvement project, quantify its benefits, determine its costs and justify the project to others.
MSS015042	Measure and report carbon footprint	Build your skills in determining the carbon footprint of a section of an organisation's value chain. Learn how to map carbon sources and sinks. Also discover how to identify carbon emissions sources, quantify carbon emissions, determine the root causes of emissions and recommendingstrategies for reducing a business's carbon footprint.
MSS015043	Develop strategies for more sustainable use of resources	Explore how to reduce an organisation's waste. Be equipped to use industry-ready techniques for materials balancing, calculating resource consumption and quantifying resource loss. Also learn how to create a resources use audit reportand communicate it to stakeholders.
BSBSTR502	Facilitate continuous improvement	Discover how to use systems and processes that encourage regular 'small improvements'. Learn to engage team members in contributing to continuous improvement, capture employee ideasand implement ongoing sustainability enhancements.

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Unit code	Unit name	What you'll learn
MSS015050	Conduct an emissions audit	Be equipped to undertake an emission audit for an organisation's process, such as part of its value chain. Build skills in calculating theoretical net materials consumptions and actual net material consumptions, and comparing the differences between them. Then use these insights to develop and refine strategies for emission reduction.
MSS405088	Plan, implement and monitor energy management	Discover how to improve an organisation's energy management. Build your ability to review a business's current energy use and establish energy management objectives. Then develop, implementand monitor energy management strategies.
MSS014018	Apply circularity design thinking to all work streams	Learn how to seek and act on customer ideas for circularity improvements. For example, these improvements may help to improve a products'durability, or its ability to be reused or recycled. Discover how to generate ideas for circularity improvements, select worthwhile ideas and develop practical action plans for bringing them to life.
MSS015045	Develop required sustainability reports	Explore the range of voluntary sustainability reports that organisations create. This includes reports relating energy use, water use, carbon footprint, waste generation, community impact, circular economy initiatives and more. Be equipped to develop these reports, with input from others, in line with organisational standards.
MSS015049	Conduct a sustainable water use audit	Learn how to conduct a water use audit for an organisation as a whole and for part of its value chain. Discover how to analyse theoretical and actual net use of water and determine optimalwater quality for different process steps. Then develop and present recommendations for water usage improvements.
MSMWHS200	Work safely	Build your understanding of how to maintain a safe work environment for yourself and others. Discover how to identify safety hazards, assess risks, respond to emergency situations and use relevant Personal Protective Equipment (PPE). Also build your skills in managing a team's Work Health and Safety (WHS), including following WHS laws, assessing team member competencies and responding to WHS issues.

Course Units

Unit code	Unit name	What you'll learn
MSS405043	Implement improvement systems in an organisation	Grow your knowledge of breakthrough improvement systems and their benefits. Learn how these systems can be applied in the sustainability jobs, including how they can be implemented, reviewed and adjusted. Also build your management skills in resolving barriers to implementing these systems, as well as in leading and motivating others to sustain improvement systems.
MSMSUP390	Use structured problem-solving tools	Discover useful approaches you can use to solve problems that occur in the workplace. Be empowered to use different tools to analyseproblems and identify preferred solutions. Then develop realistic implementation plans and communicate them to others.
MSS015048	Implement sustainability plans	Explore different types of sustainability plans that organisations have and how you can go about effectively implementing them. Build your understanding of a wide range of components that can impact bringing plans to life, from employee resistance to sustainability initiatives to current and emerging industry sustainability practices. Also develop your practical skills in briefing project teams, developing progress indicator, validatingdata collector and communicating with decision-makers.