



Australian Government

Department of Education, Employment and Workplace Relations

FDF21012 Certificate II in Sugar Milling Industry Operations

Release: 1

FDF21012 Certificate II in Sugar Milling Industry Operations

Modification History

This qualification has been derived from SUG20102 Certificate II in Sugar Milling. See Qualification Mapping Guide for notes on equivalence.

Description

Job Roles

This qualification covers work undertaken by sugar milling industry workers. These may include for example:

Sugar Processing

Sugar boiler assistant

Steam plant attendant

Low grade fugal operator

Laboratory worker

Diffuser attendant

Effet operator

High grade fugal operator

Engine driver in mills

Cane Supply Transport

Cane rail construction worker

Cane rail maintenance worker

Truck driver

Locomotive operator

Tamping machine operator

Weighbridge clerk

Forklift operator

Mill Services

Dogger

Rigger

Scaffolder

Assistant bridge carpenter

Mobile crane operator

Backhoe operator

Dozer/front-end loader operator

Additional Qualification Advice

Units selected from other Training Packages must be relevant to the work outcome, local

industry requirements and the qualification level.

Note: AgriFood Skills Australia expects that the design of any training delivery and assessment program to support the achievement of this qualification is based on:

- the context required by the industry and/or enterprise
- a holistic and integrated training delivery and assessment plan that identifies learning activities and evidence required
- flexible delivery options including on-the-job and work-based training that support the development of competency.

Pathways Information

Pathways into the Qualification

Pathways for candidates considering this qualification include completion of FDF11011 Certificate I in Sugar Milling Industry Operations or direct entry.

Pathways from the Qualification

After achieving this qualification, candidates may move into employment in the sugar milling industry and undertake the FDF31012 Certificate III in Sugar Milling Industry Operations or any other suitable qualification according to the needs of the enterprise and higher level job functions.

Australian Apprenticeships

This qualification is suitable for an Australian Apprenticeship.

Licensing/Regulatory Information

There is no direct link between this qualification and licensing, legislative and/or regulatory requirements. However, all work must comply with food safety, occupational health and safety (OHS) and environmental regulations and legislation that apply to the workplace. There are elective Units available in this Qualification linked to the National Standard for Licensing Persons Performing High Risk Work. Refer to the host Training Package for details about the application of these Units and regulatory frameworks for their use.

Entry Requirements

There are no entry requirements for this qualification.

Employability Skills Summary

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Complete work forms and required written documentation • Use communication and information technologies to support work operations • Demonstrate effective and appropriate interpersonal skills • Interpret and apply workplace procedures and instructions • Share workplace information • Communicate information about problems with work • Communicate information relating to OHS.
Teamwork	<ul style="list-style-type: none"> • Work as part of a team • Provide assistance to others in the work area • Identify own role and responsibilities within a team • Identify team goals • Share work related information • Maintain health and safety of work area for self and others.
Problem-solving	<ul style="list-style-type: none"> • Identify and report any workplace hazards • Identify workplace problems and make contributions to their solution • Identify and apply health and safety issues relating to work in the food industry • Apply knowledge of materials, product purpose and processes to work operations • Check performance of machines and equipment and identify signs of faulty operations • Monitor workplace activities and identify and report non-compliances.
Initiative and Enterprise	<ul style="list-style-type: none"> • Provide feedback on procedures and processes • Gather and interpret information to support safe and efficient work • Ask questions regarding requirements and expectations • Make suggestions for continuous improvement • Inspect quality of work on an ongoing basis • Record basic information on the quality and other indicators of work outcomes.
Planning and Organising	<ul style="list-style-type: none"> • Identify work requirements and work load priorities • Plan work activities to meet daily work requirements • Direct items to the correct area for further processing • Identify and use relevant personal protective equipment • Organise work area to maintain housekeeping standards

	<ul style="list-style-type: none">• Select and organise relevant equipment and tools• Identify and report issues affecting ability to meet work outcomes.
Self-management	<ul style="list-style-type: none">• Understand own work activities• Identify personal responsibilities• Accept responsibility for quality of own work• Participate in OHS practices• Apply food safety practices• Plan to meet required work outcomes of self and team• Monitor own work• Maintain own work efficiency• Keep the work area clean and tidy at all times.
Learning	<ul style="list-style-type: none">• Assess own competencies in meeting job requirements• Listen to feedback and advice of supervisors• Identify own skill requirements and seek skill development if required• Attend training or skill development activities• Ask questions to expand own knowledge.
Technology	<ul style="list-style-type: none">• Use work tools, machines and equipment safely and effectively• Perform minor maintenance on machinery in accordance with workplace practice• Use manual handling technologies in the workplace.

Packaging Rules

Complete **sixteen (16)** units of competency comprised of:

- Three (3) Core Units
- Thirteen (13) Elective Units

Core Units

Complete all three (3) core units

Unit Code	Unit Title
FDFOHS2001A	Participate in OHS processes
FDFOP2064A	Provide and apply workplace information
MSAENV272B	Participate in environmentally sustainable work practices

Elective Units

- Select a minimum of **six (6)** units from Group A
- **Seven (7)** additional units can come from Group A and or/this or any other endorsed Training Package or accredited course at Certificate I, II, or III.
- Selected units must be relevant to job outcomes in the sugar milling industry.

Group A Units

Sector Specialist Units	
Rail Infrastructure	
FDFSUG201A	Lay sleepers for cane rail systems
FDFSUG202A	Lay rails for cane rail systems
FDFSUG203A	Lay skeleton track for cane rail systems
FDFSUG204A	Operate tamping equipment
FDFSUG205A	Construct turnouts * <i>FDFSUG202A Lay rails for cane rail systems</i>
AHCMOM207A	Conduct front end loader operations
RIICBM305A	Install pre-cast concrete bridge decks
RIIMPO319A	Conduct backhoe/loader operations
TLIC2041A	Operate self-propelled equipment on track

Rail Transport Operations	
FDFSUG206A	Drive a cane locomotive
Factory Operations	
FDFSUG207A	Conduct cane weighbridge operations
FDFSUG208A	Operate a tipping station
FDFSUG209A	Operate an extraction station
FDFSUG210A	Operate a juice clarification process
FDFSUG211A	Operate a mud filtration process
FDFSUG212A	Chemically clean equipment
FDFSUG213A	Operate a pans station
FDFSUG214A	Operate a low grade fugal station
FDFSUG215A	Operate a high grade fugal station
FDFSUG216A	Operate a crystalliser station process
FDFSUG217A	Operate a turbine
FDFSUG218A	Operate a boiler - basic
FDFSUG219A	Operate a bagasse fuel supply system
FDFSUG220A	Operate a coal fuel supply system
FDFSUG221A	Operate an ash separation system
FDFSUG222A	Operate a waste water treatment system
FDFSUG223A	Operate a cooling water system
FDFOP2030A	Operate a process control interface
FDFOP2034A	Operate an evaporation process
Laboratory	
FDFSUG224A	Perform standard tests on cane samples
FDFSUG225A	Collect and prepare samples

Factory Maintenance	
FDFSUG226A	Perform general drilling operations
FDFSUG227A	Perform general lathe operations
FDFSUG228A	Perform general milling operations
FDFSUG229A	Perform general planing and shaping operations
FDFSUG230A	Undertake forming, bending and shaping
FDFSUG231A	Undertake simple fabrication
AHCMOM203A	Operate basic machinery and equipment
AHCMOM204A	Undertake operational maintenance of machinery
CPCCCDO3011A	Perform dogging* <i>CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry</i>
CPCCCRI3012A	Perform basic rigging * <i>CPCCDO3011A Perform dogging</i>
CPCCCSC2002A	Erect and dismantle basic scaffolding * <i>CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry</i>
RIIHAN305A	Operate gantry or overhead crane
TLID3035A	Operate a boom type elevating work platform
TLID3036A	Lift and move load using a mobile crane
TLILIC2001A	Licence to operate a forklift truck
General	
TLILIC2014A	Licence to drive light rigid vehicle
TLILIC2015A	Licence to drive medium rigid vehicle
TLILIC3006A	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)

