



Australian Government

Department of Education, Employment and Workplace Relations

AUR30211 Certificate III in Bicycles

Release: 2

AUR30211 Certificate III in Bicycles

Modification History

Two imported unit of competency updated:

BSBFLM312C replaces BSBFLM312B

TLIA3039A replaces TLIA3907B

Description

This qualification covers the skills and knowledge required to perform a broad range of mechanical tasks on a variety of bicycles in the bicycle retail, service and repair sector.

Job roles/employment outcomes

The AUR30211 Certificate III in Bicycles is intended to prepare new employees or recognise and develop existing workers performing mechanical and sales work in the bicycle retail, service and repair industry. The work may also include tasks related to the operation of the business and/or the supervision of others.

Employment outcomes targeted by this qualification include:

- bicycle mechanics.

Application

This qualification is suitable for an Australian Apprenticeship pathway.

Pathways Information

Pathways into the qualification

The AUR30211 Certificate III in Bicycles may be accessed by direct entry. Credit will be granted towards this qualification to those who have completed AUR20311 Certificate II in Bicycles in this Training Package or other relevant qualifications.

Pathways from the qualification

Further training pathways from this qualification include AUR40105 Certificate IV in Automotive Management, AUR40208 Certificate IV in Automotive Technology, or other relevant qualifications.

Licensing/Regulatory Information

Licensing considerations

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements. Local regulations should be checked for details.

Entry Requirements

Not Applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the Employability Skills as identified by the Bicycle Retail, Service and Repair sector for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability Skill	Industry/enterprise requirements for this qualification
Communication	<ul style="list-style-type: none"> clearly communicating workplace information and ideas with workplace colleagues (verbal and non-verbal), including use of bicycle terms completing workplace reports using and contributing to workplace procedures maintaining workplace records communicating with colleagues and clients to handle verbal enquiries, such as clarifying instructions, and responding to requests for information communicating with people who speak languages other than English and in a cross-cultural context interpreting the needs of customers reading and interpreting workplace-related documentation
Teamwork	<ul style="list-style-type: none"> identifying and describing own role and role of others working within a team working with diverse individuals and groups applying knowledge of own role to complete activities efficiently to support team activities and tasks
Problem solving	<ul style="list-style-type: none"> recognising a workplace problem or a potential problem and taking action determining problems needing priority action referring problems outside area of responsibility to appropriate person and suggesting possible causes seeking information and assistance, as required, to solve problems using a range of problem solving techniques taking action to resolve concerns developing practical responses to common breakdowns in workplace systems and procedures
Initiative and enterprise	<ul style="list-style-type: none"> adapting to new and emerging situations in the workplace being proactive and creative in responding to workplace problems, changes and challenges
Planning and organising	<ul style="list-style-type: none"> planning own work requirements and prioritising actions to achieve required outcomes and ensure tasks are completed on time

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	<ul style="list-style-type: none">• identifying risk factors and taking action to minimise risk
Self-management	<ul style="list-style-type: none">• selecting and using appropriate equipment, materials, processes and procedures• recognising limitations and seeking timely advice• planning own work requirements, setting own work program and managing time to ensure tasks are done on time• following workplace documentation, such as codes of practice or operating procedures
Learning	<ul style="list-style-type: none">• asking questions to gain information• identifying sources of information, assistance and expert knowledge to expand knowledge, skills and understanding• participating in self-improvement activities• participating in development of workplace continuous improvement strategies• helping others develop competency
Technology	<ul style="list-style-type: none">• operating diagnostic and test equipment• performance testing of components, systems and equipment• using tools and equipment efficiently and safely• storing and caring for components, parts, tools, test equipment and support equipment• using business technology to collect, analyse and provide information• applying knowledge of operating principles of bicycle components and systems

Packaging Rules

Packaging Rules

To be awarded the Certificate III in Bicycles competency must be achieved in **twenty eight (28)** units.

- **six (6)** core units of competency
- **twenty two (22)** elective units of competency, as specified below:
 - a minimum of **fifteen (15)** specialist elective units from Group A
 - a maximum of **seven (7)** elective units from Group B drawn in any combination from:
 - units not already chosen from Group A
 - units listed in Group B
 - relevant units available in this Training Package, other endorsed Training Packages and accredited courses, where those units are aligned to Certificate II, III and IV qualifications
 - a maximum of **twelve (12)** elective units may be selected from units aligned to Certificate II qualifications
 - a maximum of **two (2)** elective units may be selected from units aligned to Certificate IV qualifications.

Note: Where prerequisite units are identified, they must be considered in the total number of units required for completion of the qualification.

The following pairs of units must not be chosen together when achieving this qualification:

MEM05003B	Perform soft soldering
AURV223808A	Carry out soft soldering techniques

MEM05004C	Perform routine oxy acetylene welding
AURV223608A	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures

MEM05007C	Perform manual heating and thermal cutting
AURV223608A	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures

MEM05017D	Weld using gas metal arc welding process
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AURV281308A	Carry out gas metal arc (MIG) welding procedures
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Core units of competency

- Complete the following **six (6)** units of competency.

Unit code	Unit title
AURB254380B	Operate in a retail bicycle environment
AURC270103A	Apply safe working practices
AURC272003A	Apply environmental regulations and best practice in a workplace or business
AURT225667A	Use and maintain measuring equipment
AURT270278A	Use and maintain workplace tools and equipment
MSAENV272B	Participate in environmentally sustainable work practices

Elective units of competency**Group A: Specialist electives**

- Complete a minimum of **fifteen (15)** units of competency from the following list.

Unit code	Unit title
AURB211304B	Assemble bicycles
AURB211305A	Assemble box bicycle for retail sale
AURB212171A	Service and repair bicycle mechanical braking systems
AURB212370B	Service bicycle hydraulic braking systems
AURB214670B	Service bicycle drivetrain systems
AURB215672A	Service bicycle steering systems
AURB216672A	Service bicycle suspension systems
AURB218168B	Remove, repair and fit bicycle tyres
AURB218267A	Service bicycle wheels and hubs

Unit code	Unit title
AURB232265B	Fit and adjust bicycle accessories
AURB254401A	Select and adjust bicycle to fit rider
AURB311401A	Restore a bicycle
AURB312366B	Repair bicycle hydraulic braking systems
AURB314666B	Repair bicycle drivetrain systems
AURB315646A	Repair/overhaul bicycle steering systems
AURB316646A	Repair/overhaul bicycle suspension systems
AURB318207B	Design and build bicycle wheels
AURB318267A	Repair/overhaul bicycle wheels and hubs
AURB318301A	Service electric power assist bicycles
AURB328267A	Service and repair bicycle frames
AURB332301A	Specify and select components for a custom bicycle
AURB354501A	Provide mechanical support to cycling events
AURB354601A	Conduct cycling proficiency training
AURB428201A	Design and build a bicycle frame
AURB428202A	Assess carbon fibre frames for repair
AURC252103A	Apply basic automotive troubleshooting processes
AURT200108A	Carry out servicing operations
AURT365130A	Inspect vehicle systems and determine preferred repair action
AURT366108A	Carry out diagnostic procedures

Group B: Other elective units

- Complete a maximum of **seven (7)** units, drawn in any combination from:
 - units not already chosen from Group A
 - Group B units listed below

- relevant units available in this Training Package, other endorsed Training Packages and accredited courses, where those units are aligned to Certificate II, III and IV qualifications.

Common

Unit code	Unit title
AURC251179A	Write routine texts in the workplace and complete automotive documentation
AURC251356A	Read in the workplace
AURC251677A	Use numbers in the workplace
AURC252327A	Identify, clarify and resolve problems
AURC261314A	Contribute to quality work outcomes
AURC270688A	Work effectively with others
AURC270789A	Communicate effectively in the workplace
AURC270889A	Communicate business information
AURC359350A	Conduct information sessions
AURC359554A	Provide technical guidance
AURC361101A	Adapt work processes to new technologies
AURC361230A	Inspect technical quality of work
AURC361337A	Maintain quality systems
BSBCMN311B	Maintain workplace safety
BSBFLM312C	Contribute to team effectiveness
BSBWOR202A	Organise and complete daily work activities
BSBWOR301A	Organise personal work priorities and development
BSBWOR404B	Develop work priorities
HLTFA301B	Apply first aid
MEM09002B	Interpret technical drawing

Unit code	Unit title
MEM12023A	Perform engineering measurements
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MSAENV472B	Implement and monitor environmentally sustainable work practices
TAEASS401A	Plan assessment activities and processes
TAEASS402A	Assess competence
TAEASS403A	Participate in assessment validation
TAEDEL301A	Provide work skill instruction

Sales

Unit code	Unit title
AURC270421A	Establish relations with customers
AURS238150A	Present stock and sales area
AURS241303A	Apply sales procedures
AURS241769A	Sell product(s)
AURS242621A	Promote products and services
AURS252290A	Process customer complaints
BSBCUS301A	Deliver and monitor a service to customers
BSBPRO401A	Develop product knowledge
SIRXCCS002A	Interact with customers
SIRXINV001A	Perform stock control procedures
SIRXINV002A	Maintain and order stock
TLIA3039A	Receive and store stock

Welding

Unit code	Unit title	Prerequisites
AURV223608A	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures	
AURV223808A	Carry out soft soldering techniques	
AURV281108A	Carry out manual metal arc welding procedures	
AURV281208A	Carry out brazing procedures	
AURV281308A	Carry out gas metal arc (MIG) welding procedures	
AURV281408A	Carry out gas tungsten arc (TIG) welding procedures	
MEM05004C	Perform routine oxy acetylene welding	
MEM05007C	Perform manual heating and thermal cutting	
MEM05017D	Weld using gas metal arc welding process	MEM05050B MEM05051A MEM05052A MEM12023A MEM18001C MEM18002B MEM09002B
MEM05050B	Perform routine gas metal arc welding	
MEM05051A	Select welding processes	
MEM05052A	Apply safe welding practices	