



Australian Government

Department of Education, Employment and Workplace Relations

AUR20311 Certificate II in Bicycles

Release: 2

AUR20311 Certificate II 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 range of routine assembly and servicing tasks within the bicycle industry. It is suitable for entry into the bicycle retail, service and repair sector.

Job roles/employment outcomes

The AUR20311 Certificate II in Bicycles is intended to prepare new employees or develop existing workers who are performing bicycle service and repair tasks in the bicycle industry.

Employment outcomes targeted by this qualification include:

- bicycle assembler
- service technician
- assistant mechanic
- bicycle sales assistant.

Application

This qualification is suitable for an Australian Apprenticeship pathway.

Pathways Information

Pathways into the qualification

This qualification may be accessed by direct entry. Credit will be granted towards this qualification to those who have completed relevant units of competency from AUR10105 Certificate I in Automotive in this Training Package or other relevant qualifications.

Pathways from the qualification

Further training pathways from this qualification include AUR30211 Certificate III in Bicycles, AUR31005 Certificate III in Automotive Sales, 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, depending on the work context. 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"> understanding and carrying out verbal instructions from supervisors and others reading, understanding and completing workplace documentation, forms and records sharing work-related information with other team members using industry terminology communicating with people from a range of social, cultural and ethnic backgrounds
Teamwork	<ul style="list-style-type: none"> contributing positively to the work team environment working effectively with others in a socially diverse environment respecting and understanding the views of others giving, receiving and acting upon feedback identifying and describing own role and role of others
Problem solving	<ul style="list-style-type: none"> recognising a problem or a potential problem within a bicycle component or system or with equipment seeking information and assistance to solve problems outside own area of responsibility solving problems within own area of responsibility
Initiative and enterprise	<ul style="list-style-type: none"> suggesting ideas for workplace improvement to supervisors and team members positively adapting to changes in workplace procedures and making adjustments to improve own performance taking positive action to report hazards or risk situations to supervisors
Planning and organising	<ul style="list-style-type: none"> planning daily work tasks to work safely and manage risks according to workplace procedures prioritising activities to achieve required outcomes planning and organising appropriate equipment and materials planning ahead to anticipate problems with availability of equipment, materials and personnel to assist
Self-management	<ul style="list-style-type: none"> following workplace safety requirements and other policies and procedures completing known delegated tasks on time selecting and using appropriate equipment, materials, processes

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	<p>and procedures</p> <ul style="list-style-type: none">• asking for advice and assistance when appropriate
Learning	<ul style="list-style-type: none">• identifying personal strengths and weaknesses• acting upon feedback and accept opportunities to learn to improve work performance• asking questions to gain information and identify sources of information to expand knowledge and understanding
Technology	<ul style="list-style-type: none">• appropriately setting up technological equipment• recognising and reporting faulty equipment• using appropriate tools and equipment• applying knowledge of operating principles of bicycle components and systems

Packaging Rules

Packaging rules

To be awarded AUR20311 Certificate II in Bicycles, competency must be achieved in **sixteen (16)** units of competency.

- **five (5)** core units of competency
- **eleven (11)** elective units of competency, as specified below:
 - a minimum of **seven (7)** specialist elective units from Group A
 - a maximum of **four (4)** elective units from Group B drawn in any combination from:
 - units not already chosen from Group A
 - Group B units listed
 - relevant units available in this Training Package, other endorsed Training Packages and accredited courses, where those units are aligned to Certificate II and III qualifications
 - a maximum of **two (2)** elective units may be selected from units aligned to Certificate III qualifications.

Note: Where prerequisite units are identified, they must be counted 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
AURV281308A	Carry out gas metal arc (MIG) welding procedures

Core units of competency

- Complete the following **five (5)** units of competency.

Unit code	Unit title
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 **seven (7)** 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
AURB232265B	Fit and adjust bicycle accessories
AURB254380B	Operate in a retail bicycle environment

Unit code	Unit title
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
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 **four (4)** units of competency, 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 and III 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
HLTFA301B	Apply first aid
MEM09002B	Interpret technical drawing
MEM12023A	Perform engineering measurements
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
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	

Unit code	Unit title	Prerequisites
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	