



**Australian Government**

# **AUR21412 Certificate II in Automotive Cooling System Technology**

**Release: 1**

## **AUR21412 Certificate II in Automotive Cooling System Technology**

### **Modification History**

<b>Release</b>	<b>Comment</b>
<b>Release 1</b>	Replaces AUR20705 Certificate II in Automotive Mechanical

## Description

This qualification covers the skills and knowledge required to perform a range of tasks related to servicing and repairing cooling system components and systems of vehicles in the automotive service and repair industry.

### Job roles and employment outcomes

The Certificate II in Automotive Cooling System Technology prepares new employees or recognises and develops existing workers who service and repair vehicle cooling systems in an automotive service or repair business.

Job roles related to this qualification include:

- automotive radiator repair specialist.

### Application

This qualification provides individuals with the skills and knowledge to perform a range of mechanical operations involving known routines, methods and procedures and to take some accountability for the quality of outcomes.

The qualification is suitable for an Australian apprenticeship pathway.

## Pathways Information

### Pathways into the qualification

Credit may be granted towards this qualification by those who have completed AUR10112 Certificate I in Automotive Vocational Preparation or other relevant qualifications.

### Pathways from the qualification

Further training pathways from this qualification include AUR30612 Certificate III in Light Vehicle Mechanical Technology or other relevant qualifications.

## Licensing/Regulatory Information

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

This qualification may be accessed by direct entry.

## Employability Skills Summary

### EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills as identified by the automotive industry 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 include:
<b>Communication</b>	<ul style="list-style-type: none"> <li>• understanding and carrying out verbal instructions from supervisors and others</li> <li>• reading, understanding and completing workplace documentation, forms and records</li> <li>• sharing work-related information with other team members using industry terminology</li> <li>• communicating with people from a range of social, cultural and ethnic backgrounds</li> </ul>
<b>Teamwork</b>	<ul style="list-style-type: none"> <li>• contributing positively to the work team environment</li> <li>• working effectively with others in a socially diverse environment</li> <li>• respecting and understanding the views of others</li> <li>• giving, receiving and acting on feedback</li> <li>• identifying and describing own role and role of others</li> </ul>
<b>Problem solving</b>	<ul style="list-style-type: none"> <li>• recognising a problem or potential problem in a vehicle component or system servicing environment</li> <li>• seeking information and assistance to solve problems outside own area of responsibility</li> <li>• solving problems in own area of responsibility</li> </ul>
<b>Initiative and enterprise</b>	<ul style="list-style-type: none"> <li>• suggesting ideas for workplace improvement to supervisors and team members</li> <li>• positively adapting to changes in workplace procedures and making adjustments to improve own performance</li> <li>• taking positive action to report hazards or risk situations to supervisors</li> </ul>
<b>Planning and organising</b>	<ul style="list-style-type: none"> <li>• planning daily work tasks to work safely and manage risks according to workplace procedures</li> <li>• prioritising activities to achieve required outcomes</li> <li>• planning and organising appropriate equipment and materials</li> <li>• planning ahead to anticipate problems with availability of equipment, materials and personnel to assist</li> </ul>
<b>Self-management</b>	<ul style="list-style-type: none"> <li>• following workplace safety requirements and other policies and procedures</li> <li>• completing known delegated tasks on time</li> <li>• selecting and using appropriate equipment, materials, processes</li> </ul>

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY**

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<b>Employability Skill</b>	<b>Industry/enterprise requirements for this qualification include:</b>
	<ul style="list-style-type: none"><li>and procedures</li><li>• asking for advice and assistance when appropriate</li></ul>
<b>Learning</b>	<ul style="list-style-type: none"><li>• identifying personal strengths and weaknesses</li><li>• acting on feedback and accepting opportunities to learn to improve work performance</li><li>• asking questions to gain information and identify sources of information to expand knowledge and understanding</li></ul>
<b>Technology</b>	<ul style="list-style-type: none"><li>• appropriately selecting and using tools and equipment</li><li>• recognising and reporting faulty equipment</li><li>• using information and communication technology</li></ul>

## Packaging Rules

To be awarded this qualification, competency must be demonstrated in **14 units** of competency, consisting of:

- **8 core units**

plus

- **6 elective units**, of which:

- up to **6** elective units may be chosen from the elective units listed below
- up to **3** elective units may be chosen from a Certificate I qualification or above in this Training Package or another endorsed Training Package or accredited course, provided that the units chosen contribute to the vocational outcome of this qualification and do not duplicate the outcome of another unit chosen for the qualification.

### Core units

Unit code	Unit title
<b>Common – Environment</b>	
AURAEA2002	Apply environmental and sustainability best practice in an automotive workplace
<b>Common – Health and Safety</b>	
AURASA2002	Apply safe working practices in an automotive workplace
<b>Common – Technical</b>	
AURATA2001	Identify basic automotive faults using troubleshooting processes
<b>Mechanical Miscellaneous – Technical – Cooling Systems</b>	
AURTTTC2001	Inspect and service cooling systems
AURTTTC2002	Carry out radiator repairs
<b>Mechanical Miscellaneous – Technical – Tools and Equipment</b>	
AURTTK2002	Use and maintain workplace tools and equipment
<b>Mechanical Miscellaneous – Technical – Welding, Grinding, Machining and Soldering</b>	
AURTTW2001	Carry out soft soldering techniques
<b>Vehicle Body – Technical – Welding, Grinding, Machining and Soldering</b>	
AURVTW3006	Carry out thermoplastic welding procedures

**Elective units**

<b>Unit code</b>	<b>Unit title</b>
<b>Common – Sales and Marketing</b>	
AURACA2001	Establish relations with customers
<b>Common – Foundation Skills</b>	
AURAF2001	Use numbers in an automotive workplace
AURAF2002	Read in an automotive workplace
AURAF2003	Communicate effectively in an automotive workplace
<b>Electrical – Technical – Electrical and Electronic</b>	
AURETR2012	Test and repair basic electrical circuits
<b>Electrical – Technical – Air Conditioning and HVAC</b>	
AURETU2002	Recover vehicle refrigerants
AURETU2003	Service air conditioning and HVAC systems
AURETU3004	Diagnose and repair air conditioning and HVAC systems
AURETU3005	Retrofit and modify air conditioning and HVAC systems
<b>Mechanical Miscellaneous – Technical</b>	
AURTTA2004	Carry out servicing operations
AURTTA2009	Carry out pre-repair operations (mechanical)
<b>Mechanical Miscellaneous – Technical – Engines</b>	
AURTTE2004	Inspect and service engines
<b>Vehicle Body – Technical - Welding, Grinding, Machining and Soldering</b>	
AURVTW2004	Carry out gas tungsten arc welding procedures
AURVTW2008	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures

## **Custom Content Section**

Not applicable.