

Gazetted Units of Competency

Refrigerated air-conditioning

May 2021

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Overview

About

The document outlines the units published in April 2021 in the Victorian gazette for both registration and licensing in the following classes of plumbing:

Qualifications

Units are selected from the following qualifications:

Registration	UEE32220 Certificate III in Air Conditioning and Refrigeration <ul style="list-style-type: none"> • <i>Unit points have been included for quick reference</i>
Licensing	<p><i>Common licensing units</i></p> <p>CPC40920 Certificate IV in Plumbing and Services</p> <p><i>Class specific licencing units</i></p> <p>The class specific units are available for selection from each of the following qualifications:</p> <ul style="list-style-type: none"> • UEE32220 Certificate III in Air Conditioning and Refrigeration • UEE42720 Certificate IV in Air Conditioning and Refrigeration Servicing • UEE42920 Certificate IV in Refrigeration and Air Conditioning Systems

Registration

Core units

Unit code	Unit name	Points
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace	20
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work	20
UEECD0019	Fabricate, assemble and dismantle utilities industry components	40
UEECD0020	Fix and secure electrotechnology equipment	20
UEECD0042	Solve problems in ELV single path circuits	40
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications	40
UEECO0010	Participate in refrigeration and air conditioning work and competency development activities	60
UEERA0031	Diagnose and rectify faults in air conditioning and refrigeration control systems	60
UEERA0035	Establish the basic operating conditions of air conditioning systems	20
UEERA0036	Establish the basic operating conditions of vapour compression systems	60
UEERA0044	Find and rectify faults in single phase motors and associated controls	40
UEERA0045	Find and rectify faults in three phase motors and associated controls	30
UEERA0050	Install refrigerant pipe work, flow controls and accessories	60
UEERA0051	Install, commission, service and maintain air conditioning systems	80
UEERA0053	Install, commission, service and maintain medium temperature systems	60
UEERA0059	Prepare and connect refrigerant tubing and fittings	40
UEERA0062	Recover and charge refrigerants	40
UEERA0079	Safely handle refrigerants and lubricants	40
UEERA0081	Select refrigerant piping, accessories and associated controls	40
UEERA0092	Solve problems in low voltage refrigeration and air conditioning circuits	40
UEERA0094	Verify functionality and compliance of refrigeration and air conditioning installations	40
UEERE0001	Apply environmentally and sustainable procedures in the energy sector	20
UEERL0001	Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply	20
UEERL0002	Attach cords, cables and plugs to electrical equipment for connection to 1000 V a.c. or 1500 V d.c.	20
UEERL0004	Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring	60
UEERL0005	Locate and rectify faults in low voltage (LV) electrical equipment using set procedures	20

Note

- Only core units relevant to this class are gazetted

Elective units

Group A

Unit code	Unit name	Points
HLTAID011	Provide first aid	10

Group B

Unit code	Unit name	Points
UEERA0005	Apply safety awareness and legal requirements for ammonia refrigerant	10
UEERA0006	Apply safety awareness and legal requirements for carbon dioxide refrigerant	10
UEERA0007	Apply safety awareness and legal requirements for flammable refrigerants	10
UEERA0065	Repair and service ammonia refrigeration systems	20
UEERA0066	Repair and service carbon dioxide refrigeration systems	20
UEERA0067	Repair and service secondary refrigeration systems	20
UEERA0084	Service and repair self-contained flammable refrigerants air conditioning and refrigeration systems	20

Summary

	Number of units	Points
Core units	26	1030
Elective units	9	120
Group A	1	10
Group B	7	110

Licence

Common units

Five 'common' licencing units are proposed. These units are also prescribed for other classes of plumbing.

Unit code	Unit name
BSBESB402	Establish legal and risk management requirements of new business ventures
CPCBC4012	Read and interpret plans and specifications
CPCPCM4011	Carry out work-based risk control processes*
CPCPCM4012	Estimate and cost work*
CPCPCM4015	Access and interpret regulatory requirements for the plumbing and services industry

* These units are from the Certificate IV in Plumbing and Services qualification. Where a person has completed a Certificate IV electrical unit, equivalent certificate IV units will be considered.

Class specific units

Unit code	Unit name
UEERA0054	Maintain microbial control of refrigeration and air conditioning systems
UEERA0070	Resolve problems in central plant air conditioning systems

Summary

Common units	5
Class specific units	2
Total units	7