



UEE32220

CERTIFICATE III IN AIR CONDITIONING & REFRIGERATION

Study With Axial Training To Get The Skills and Succeed



In the UEE32220 Certificate III in Air Conditioning & Refrigeration qualification students will learn to select components and install, test, fault find, repair and maintain various refrigeration systems and equipment for food storage and preservation. Students will also learn to apply these skills for air conditioning and air distribution equipment for buildings and premises. The course also covers the regulatory requirements for purchasing and handling refrigerants and with Axial, remember it's **workplace-based training with no unnecessary end of course exams.**

This training is subsidised by the NSW Government.

Study Mode	Workplace & Online
Duration of Course	Up to 48 Months
Total Units	33 [27 Core & 6 Elective]



Entry Requirements



Employment

This accredited qualification is delivered as an Australian Apprenticeship.

Accordingly, you will need employment as an Apprentice at a suitable employer with a nominated Supervisor who holds this qualification (or recognised equivalent).



Requirements

You will need to have access to a Lap Top or Desk Top Computer with working speakers or headphones and a suitable, reliable internet connection.



Career Outcomes

Refrigeration and Air Conditioning Mechanic





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Pathways To Further Study

Certificate IV in Engineering



Course Units

Core:

UEECD0007	Apply work health and safety regulations, codes and practices in the workplace
UEERA0059	Prepare and connect refrigerant tubing and fittings
UEECD0019	Fabricate, assemble and dismantle utilities industry components
UEECD0020	Fix and secure electrotechnology equipment
UEECD0042	Solve problems in ELV single path circuits
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications
UEECO0010	Participate in refrigeration and air conditioning work and competency development activities
UEERA0031	Diagnose and rectify faults in air conditioning and refrigeration control systems
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work
UEERA0035	Establish the basic operating conditions of air conditioning systems
UEERA0036	Establish the basic operating conditions of vapour compression systems
UEERA0044	Find and rectify faults in single phase motors and associated controls
UEERA0045	Find and rectify faults in three phase motors and associated controls
UEERA0092	Solve problems in low voltage refrigeration and air conditioning circuits
UEERL0001	Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply
UEERL0002	Attach cords, cables and plugs to electrical equipment for connection to 1000V a.c. or 1500V d.c.
UEERA0050	Install refrigerant pipe work, flow controls and accessories
UEERA0062	Recover and charge refrigerants
UEERA0079	Safely handle refrigerants and lubricants
UEERA0081	Select refrigerant piping, accessories and associated controls
UEERE0001	Apply environmentally and sustainable procedures in the energy sector
UEERL0004	Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring
UEERL0005	Locate and rectify faults in low voltage (LV) electrical equipment using set procedures
UEERA0051	Install, commission, service and maintain air conditioning systems
UEERA0052	Install, commission, service and maintain low temperature systems
UEERA0053	Install, commission, service and maintain medium temperature systems
UEERA0094	Verify functionality and compliance of refrigeration and air conditioning installations

Elective :

UEECO0002	Maintain documentation
UEECO0017	Source and purchase material/parts for installation or service jobs
UEECO0015	Provide quotations for installation or service jobs
UEERA0073	Resolve problems in ice making systems
UEERA0097	Install, commission, service and maintain variable refrigerant flow air conditioning systems
UEERA0075	Resolve problems in post-mix refrigeration systems

