

MEM31319

Certificate III in Refrigeration and Air Conditioning



DURATION
Up to 48 Months
over 4 Stages



DELIVERY MODEL
Workplace

Course Description

Offered as a trade recognition option, this apprenticeship pathway recognises the knowledge and skills required to install, repair and service refrigeration and air conditioning systems including the fabrication of pipes and component fitting and working with electrical/electronic circuits and refrigerant gasses.

It contains 27 units of competency and is available as a Recognition of Recognition of Prior Learning (RPL) pathway.

Course Fees

A student co-contribution fee is required in accordance with QLD Government User Choice Policy.

Course Structure

12 Core Units
15 Elective Units

Core Units

- **MEM09002:** Interpret technical drawing
- **MEM11011:** Undertake manual handling
- **MEM12023:** Perform engineering measurements
- **MEM12024:** Perform Computations
- **MEM13015:** Work safely and effectively in manufacturing and engineering
- **MEM14006:** Plan work activities
- **MEM16006:** Organise and communicate information
- **MEM16008:** Interact with computing technology
- **MEM17003:** Assist in the provision of on the job training
- **MEM18001:** Use hand tools
- **MEM18002:** Use power tools/hand held operations
- **MSMENV272:** Participate in environmentally sustainability work practices

Elective Units

- **MEM05006:** Perform brazing and/or silver soldering
- **MEM10002:** Terminate and connect electrical wiring
- **MEM10009:** Install refrigeration and air-conditioning plant and equipment
- **MEM10010:** Install pipework and pipework assemblies
- **MEM10013:** Install split air conditioning systems and associated pipework
- **MEM12002:** Perform electrical/electronic measurement
- **MEM18049:** Disconnect/reconnect fixed wired equipment up to 1000 volts a.c./1500 volts d.c.
- **MEM18055:** Dismantle, replace and assemble engineering components
- **MEM18084:** Commission and decommission split air conditioning systems
- **MEM18085:** Install, service and repair domestic air conditioning and refrigeration appliances
- **MEM18086:** Test, recover, evacuate and charge refrigeration systems
- **MEM18087:** Service and repair domestic and light commercial refrigeration and air conditioning equipment
- **MEM18088:** Maintain and repair commercial air conditioning systems and components
- **MEM18089:** Maintain and repair central air handling systems
- **MEM18092:** Maintain and repair commercial and/or industrial refrigeration and/or air conditioning controls