

# CAREER FACT SHEET

## Airconditioning and Refrigeration Mechanics

### Snapshot

Airconditioning and Refrigeration Mechanics assemble, install, maintain and repair industrial, commercial and domestic airconditioning and refrigeration systems and equipment.

How many are employed in this occupation?	25,700
What are the average weekly earnings for full time workers?	\$1,530
How does unemployment compare with other occupations?	Average
What are the job prospects for this occupation?	Medium
What will be the likely future employment growth for the next five years?	Moderate Growth

### Main employing industries

Other Services; Construction; Retail Trade; Manufacturing

### Tasks

This occupation may include associated occupations with varying tasks.

- establishing job requirements from drawings and specifications, and laying out installation reference points
- drilling holes, installing mounting brackets and cutting, bending and threading piping
- installing and repairing components such as compressors, motors, condensers, evaporators, switches and gauges, and copper lines for steam, gas, refrigerant, compressed air, oil and chilled water
- bolting, soldering, riveting, welding and brazing pipes to connect equipment, and checking alignment and accuracy of fit
- filling systems with gas or fluid to check for leaks
- test-operating refrigeration systems, checking mechanisms and making adjustments
- removing test gas and fluid using vacuum pumps, and filling with refrigerant
- checking and overhauling refrigeration systems, diagnosing faults and repairing and replacing defective components
- adjusting system controls and mechanisms and reassembling systems
- recording causes of malfunctioning and action taken

# INDUSTRY OVERVIEW

## Construction

Do you think you would like to design, build, maintain or renovate properties? What about working as an engineer or crane operator on a major construction site? Perhaps you fancy the idea of becoming a trade professional, such as a cabinetmaker or stonemason? If these occupations grab your attention, then you should explore the career pathways available within the Construction industry.

The Construction industry is divided into eight sectors: Residential Building; Non-Residential Building; Heavy and Civil Engineering; Land Development and Site Preparation Services; Building Structure Services; Building Installation Services ; Building Completion Services ; and Other Construction Services . Therefore the Construction industry offers many opportunities to get skilled via many different trade and technical vocational pathways.

Employment growth across the sector has recently been very strong, driven by the housing and commercial needs of an expanding population and investment in private and public infrastructure.

Employment in the Construction industry has increased by 42.5 per cent (over a ten year period) making it the third-largest growth industry in Australia for this period. This makes it an exciting time to join this industry! There are many skilled occupations to choose from: bricklayers, stonemasons, carpenters & joiners, cabinetmakers and painters to name a few. And you can build on these qualifications to attain supervisory, management qualifications or business credentials. Perhaps paving the way for you to own your own business.



**Construction**

### Possible job pathways

- Airconditioning and Refrigeration Mechanics
- Architectural, Building & Surveying Technicians
- Bricklayers and Stonemasons
- Building and Plumbing Labourers
- Cabinetmakers
- Carpenters and Joiners
- Civil Engineering Professionals
- Concreters
- Construction Managers
- Crane, Hoist and Lift Operators
- Earthmoving Plant Operators
- Electrical Distribution Trades Workers
- Electricians
- Gardeners
- Glaziers
- Insulation and Home Improvement Installers
- Painting Trades Workers
- Paving and Surfacing Labourers
- Plasterers
- Plumbers
- Roof Tilers
- Structural Steel Construction Workers
- Wall and Floor Tilers

For more information visit [skillsroad.com.au](https://www.skillsroad.com.au)