

CAREER FACT SHEET

Electricians

Snapshot

Electricians design, assemble, install, test, commission, diagnose, maintain and repair electrical networks, systems, circuits, equipment, components, appliances and facilities for industrial, commercial and domestic purposes, and service and repair lifts, escalators and related equipment

How many are employed in this occupation?	111,900
What are the average weekly earnings for full time workers?	\$1,749
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?	Strong Growth

Main employing industries

Construction; Manufacturing; Electricity, Gas, Water and Waste Services; Mining

Tasks

This occupation may include associated occupations with varying tasks.

- examining blueprints, wiring diagrams and specifications to determine sequences and methods of operation
- measuring and laying out installation reference points
- selecting, cutting and connecting wire and cable to terminals and connectors
- using electrical and electronic test instruments to trace and diagnose faults
- repairing and replacing faulty wiring and defective parts
- positioning and installing electrical switchboards
- connecting electrical systems to power supply
- testing continuity of circuit
- installing, testing and adjusting electric and mechanical parts of lifts

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.



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

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