

# CAREER FACT SHEET

## Electrical Engineering Draftspersons, Technicians

### Snapshot

Electrical Engineering Draftspersons, Technicians assist in electrical engineering research, design, manufacture, assembly, construction, operation and maintenance of equipment, facilities and distribution systems.

How many are employed in this occupation?	9,700
What are the average weekly earnings for full time workers?	\$1,816
How does unemployment compare with other occupations?	Average
What are the job prospects for this occupation?	Low
What will be the likely future employment growth for the next five years?	Relatively Steady

### Main employing industries

Manufacturing; Education and Training; Professional, Scientific and Technical Services; Information Media and Telecommunications

### Tasks

This occupation may include associated occupations with varying tasks.

- preparing drawings, plans and diagrams of electrical installations and circuitry
- assisting electrical engineers and engineering technologists in design and layout of electrical installations and circuitry on substations, switchgear, cabling systems and motor control systems
- collecting data, performing tests and complex calculations, graphing results, and preparing charts and tabulations
- estimating materials costs and quantities
- inspecting designs and finished products for compliance with specifications and regulations
- assembling, installing, testing, calibrating, modifying and repairing electrical equipment and installations to conform with regulations and safety requirements
- undertaking electrical workshop functions such as installing assemblies for protection relays, metering and indicating devices
- assisting with research and experimentation programs

# INDUSTRY OVERVIEW

## Manufacturing

If you're a hands on sort of person who likes getting stuck into tasks involving the use of tools and machinery to create new items, or you like to work on projects that bring technical concept drawings to life, then a career in the Manufacturing industry could be right up your alley. Careers in Manufacturing are available in a variety of industries such as: aerospace, furnishing, laboratory operations, metal fitting, engineering and boating, process manufacturing, mineral products, plastics, rubber, recreational vehicles and textiles, clothing and footwear. Structural Steel and Welding Trades workers, and Metal Fitters and Machinists are the trades most in demand in Manufacturing at present. There are thousands of Manufacturing businesses in Australia, employing almost one million people. New developments in sustainable Manufacturing aim to produce goods in an environmentally friendly and sustainable way while at the same time maintaining, if not improving productivity. This makes it a very interesting time to join this sector.



**Manufacturing**

### Possible job pathways

- Glaziers
- Graphic Pre-press Trades Workers
- Industrial Spraypainters
- Metal Fitters and Machinists
- Precision Metal Trades Workers
- Sheetmetal Trades Workers
- Structural Steel and Welding Trades Workers
- Wood Machinists and Other Wood Trades Workers
- Chemical, Gas, Petroleum & Power Plant Operators
- Electrical Engineering Draftspersons, Technicians
- Electricians
- Electronics Engineers
- Metal Casting, Forging & Finishing Trades
- Aircraft Maintenance Engineers
- Engineering Production Systems Workers
- Engineers (Chemical and Material)
- Industrial, Mechanical and Production Engineers
- Mechanical Engineering Draftspersons, Technicians
- Food and Drink Factory Workers
- Production Managers
- Printers
- Printing Assistants and Table Workers
- Signwriters
- Jewellers
- Product Assemblers

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