

ELECTRICAL

Electricians install, maintain and repair electrical wiring systems and electric heating and lighting in houses, factories, shops, substations and other premises.

Typical Duties:

- Read wiring diagrams to plan layout of wiring systems, e.g. switchboards, power outlets, lights and switches
- Install insulated cables and connect switches, outlets and other fittings using hand or power tools, screwdrivers and wirecutters
- Provide enough circuits (wiring systems) for the amount of electrical appliances and outlets required
- Connect ends of installed cables to circuit breakers, transformers, motors, heaters and other electrical equipment to complete circuits
- Test circuits and appliances
- Connect system to power supply
- Install electrical equipment such as storage heaters, water heaters, electric signs, switchboards, motors and other electrical equipment.

Ideal Personal Requirements to gain an Apprenticeship:

- Aptitude for reading technical drawings and specifications, especially circuit diagrams
- Manual dexterity
- Normal eyesight and colour vision
- Diagnostic ability
- Entry requirements may vary but, generally, you need at least the successful completion of Year 11/12, including maths
- Having completed work experience or study (VET/pre-apprenticeship program) in this industry is highly recommended

Education and Training to become qualified:

- Complete a 4year apprenticeship, working with a licensed electrician
- Trade school training is 'off the job' at a Trade training facility

At the completion of the apprenticeship, the apprentice must sit an exam to become a licensed Electrician.