



# Electrician (General)

## ANZSCO 341111

### Typical Tasks Include:

- 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
- determining consumer maximum demand mains by calculation
- verification and testing of installed circuits for electrical safety
- single and multi-dwelling installations
- design and wiring of distribution sub-boards

### The Australian Qualification:

The qualification is made up of a number of clustered units of competency (key work activities and tasks) which are outlined below:

#### 1. Electrical Installation Work:

- Install wiring and accessories for low voltage circuits
- Install low voltage electrical apparatus and associated equipment
- Select and arrange equipment for general electrical installations
- Fix and secure equipment
- Dismantle, assemble and fabricate electro technology components

#### 2. Electrical control, fault finding and repair

- Lay wiring and terminate accessories
- Develop and connect control circuits
- Find and repair faults in electrical apparatus and circuits

#### 3. Safe electrical work practices

- Verify compliance and functionality of general electrical installations
- Apply OHS practices in the workplace
- Document occupational hazards and risks in electrical work

#### 4. Common Units

- Participate in electrical work and competency development activities
- Use drawings, diagrams, schedules and manuals
- Use basic computer applications relevant to a workplace
- Maintain documentation

### Job description:

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.