Electrical trades people install, maintain and repair electrical wiring systems as well as electric heating and lighting in residential homes, factories, substations and a range of other establishments.

There are a wide range of employment options available in the manufacturing, construction and mining sectors for trades people who hold electrical qualifications.

Whilst many electricians are employed by both large and smaller organisations, there are significant opportunities for those who have the entrepreneurial flair and business acumen to establish their own successful business operating as electrical contractors for the domestic, commercial and industrial sector.

A career in this field is extremely stimulating. It offers a high level of job satisfaction where you are always learning – gaining new insights, skills and knowledge to complement your technical ability.
The scope of electrical studies

Electricians perform a range of tasks including the installation, maintenance, testing, commissioning and repair of equipment across a range of industry sectors.

More specifically electricians

- interpret diagrams and specifications to determine job requirements
- design wiring systems
- determine and repair electrical faults
- assemble circuitry
- install, test and modify electronic equipment
- connect electrical equipment to power supplies

Electricians need to have excellent technical ability ensuring that they work to high standards of precision checking to ensure that all connections are in keeping with designated safety standards.

Electricians may work in different environments, including residential homes, factories, workshops and other buildings where they may install cabling, electrical fittings and equipment.

Qualified electricians currently have excellent employment prospects which has been buoyed by the boom in the building industry and the growth in the mining industry. From trade level, electricians can progress to technical, engineering and management positions.

Personal attributes that will enhance your chances of success in this career include:

- flair for mathematical and technical activities
- practical and good hand-eye coordination
- good eyesight and normal colour vision
- an aptitude for mechanics and electronics
- able to do precise and detailed work
- able to work as part of a team and independently
- physically fit
- good communication skills.

What qualifications in electrical studies offer you

The Certificate I in Engineering [Pre Apprentice (Electrical/Electronic - Electrical Fitting or Electrical Mechanic or Instrument Fit)] will provide you with practical skills and knowledge to work under supervision to manufacture, install, operate and maintain electrical and communications equipment and systems. You will learn skills in using tools, taking measurements, interpreting technical drawings, and soldering electronic components. You will also learn about safety in the workplace, maths, effective communication, and quality control. You will practice the skills you have learned in a workshop environment and undertake a supervised work placement.

Employment opportunities

Successful completion of the Certificate I in Engineering [Pre Apprentice (Electrical/Electronic - Electrical Fitting or Electrical Mechanic or Instrument Fit)] provides you with the opportunity to gain an apprenticeship to become an electrician or apprenticeship/traineeship to become an electronic servicer of consumer goods, communication systems or computer systems. You will need to be employed and registered as an apprentice/trainee before you can commence apprenticeship/traineeship training.

Entry requirements

- Communication skills

You are required to address selection when applying for this course. Please refer to the TAFE WA Handbook for more information.

Further study options

Apprenticeship/traineeship Certificate II and III Engineering qualifications

Further information

Contact our Information and Career Advisory Officers on 1800 621 445 or (08) 9780 7070

Email: courseinfo@bunbury.training.wa.gov.au
Website: www.swrc.wa.edu.au