

Careers in the defence industry – Electrical

Electricians install all the electrical cables on board the ship, based on cable routing plans. They also install electrical and electronic equipment, including navigational equipment in the bridge and radar, lighting, control panels and main electrical control room panels.

**DEFENCE
INDUSTRY** 
THE OTHER FORCE



Looking for an exciting and rewarding long term career?

Join the thousands of people using a different set of skills to supply and support our defence forces. WA's defence industry provides stable and local employment in defence related activities such as **ship and submarine building, maintenance and sustainment**.

To become an electrician, you usually need to undertake an apprenticeship which takes 48 months to complete and is available as a school-based apprenticeship. You may improve your chances of gaining an apprenticeship by completing a pre-apprenticeship course, e.g. a Certificate II in Electrotechnology.

CAREER SWITCHER...

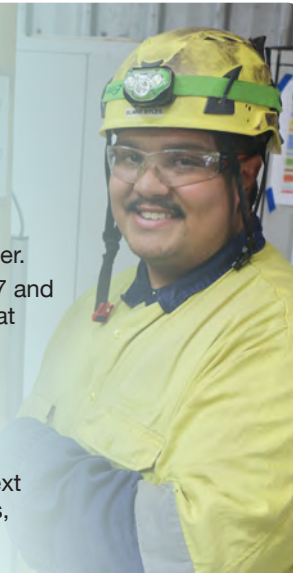
BLAINE MYLES

Apprentice Electrician (2nd year)

PATHWAY: Pre-apprenticeship > Trades Assistant
> Apprenticeship

“ After high school I worked as an Indigenous Trainee at TAFE across numerous areas before changing to an electrical career. I completed an electrotechnology pre-apprenticeship in 2017 and then became a trade assistant at a shipbuilding company that builds and upgrades ships for the Australian Defence Force.

I was then offered an electrical apprenticeship and I haven't looked back since. Moving from a desk job to working on tools was a learning curve, but it's the happiest I've ever been. The defence industry is amazing as we get to work on **ANZAC-class frigates** and the technology we work on is next level. I work on secure military specification communications, it's unique, **local and very interesting work**. ”



CAREER SWITCHER...

ALEX WINWOOD

Apprentice Electrician (3rd year)

PATHWAY: Certificate II > Trades Assistant
> Apprenticeship

“ After high school I completed a personal training qualification and then changed to electrical for a more hands-on career. I completed a Certificate II in Data and Communications for some basic electrical knowledge and then became a trade assistant at a shipbuilding company that builds and upgrades ships for the Australian Defence Force. I was then offered an electrical apprenticeship which I am doing through TAFE.

I enjoy working on the **high-tech systems**. I would recommend the defence industry because of the **good wages, the career prospects** and the diverse culture of the industry. ”



Electricians install all the electric cables on board the ship, based on cable routing plans. They also install electrical and electronic equipment, including navigational equipment in the bridge and radar, lighting and control panels.

UEE30811 Certificate III in Electrotechnology Electrician



KEY

LEVEL 01 – All job titles in Operations that require a skill level of year 10, a senior secondary certification of education, Certificate I or II. Australian apprenticeships may be offered at this level.

LEVEL 02 – All job titles in Operations that require a Certificate III or IV, or at least three years relevant experience. Australian apprenticeships may be offered at this level.

LEVEL 03 – All job titles in Operations that require a Diploma or Advanced Diploma. Study is often undertaken through TAFEs or Registered Training Organisations. Some universities offer studies at this level.

LEVEL 04 – All job titles in Operations that require a Bachelor Degree or higher qualification. Study is often undertaken at a university.