

VET - Electrotechnology



About Electrotechnology

Intent: This course aims to provide students with the knowledge and skills required to work towards a career in any field in the electrotechnology industry. It provides students with foundation safety, skills and knowledge while working with electrical equipment.

Course Overview: Students will be able to gain skills in occupational work safety, dismantling, assembly and fabrication of electrotechnology components, solving problems with low voltage circuits, fixing and securing equipment, tools used and procedures for carrying out routine work activities.

Work Placement: Work placement is a mandatory component of this course. Students are required to undertake a minimum of 70 hours work placement within the electrotechnology industry.

Qualifications: This course is based on the National Electrotechnology Training Package (UEE11). Depending on the achievement of units of competency, the possible qualification outcome is a Certificate II in Electrotechnology – Career Start (UEE22011). These units can also contribute towards a Certificate III in Electrotechnology – Electrician (UEE30811). The qualifications are nationally recognised and can lead to further training with other registered Training Organisations. Qualifications may differ for a student enrolled as a school-based apprentice.

HSC

Course Hours	240 hrs
Unit Value	2 units Preliminary 2 units HSC
Duration	2 years
Course Type	Category B Board Developed Course
ATAR (Australian Tertiary Admissions Rank)	If student sits for Optional HSC Exam
Work Placement	70 hours over two years

Assessment: This course is competency based and student performance is assessed against prescribed industry standards. Students are assessed as either 'competent' or 'not yet competent'. Holistic assessment projects will provide students with a number of opportunities to demonstrate competence and will include observation in class, practical demonstrations, portfolio development, workplace assessment, tests and other tasks.



Pathways Information: Career pathways include Electrician, Data Communications Workers, Computer Servicing/Assembly Worker, Electronics Repairer, Antennae Installer, Renewable Energy Servicer, Refrigeration and Air-Conditioning, Electrical Wholesaler, Lineworker Assistant and Utilities Worker. Further Training Pathways can include the Certificate III or Certificate IV in Electrotechnology. University related progression may include a Bachelor of Electrical Engineering, Bachelor of Electrical Power Engineering or Bachelor of Electronic Engineering

Course Description: To be awarded the Certificate II in Electrotechnology (Career Start) competency must be achieved in the six (6) core units of competency and elective units totalling 140 points as per the training package rules. The following table shows the core units and the elective units that may be studied.

Competencies:

CORE UNITS:

- UEENEEE101A Apply Work, Health and Safety Regulations, codes and practices in the workplace
- UEENEEE104A Solve problems in D.C. circuits
- UEENEEE141A Use of routine equipment/plant /technologies in an energy sector environment
- UEENEEE148A Carry out routine work activities in an energy sector environment
- UEENEEE179A Identify and select components, accessories and materials for energy sector work activities
- UEENEEK142A Apply environmentally and sustainable energy procedures in the energy sector

ELECTIVE UNITS:

- UEENEEE102A Fabricate, assemble and dismantle utilities industry components
- UEENEEE105A Fix and secure electrotechnology equipment
- UEENEEP024A Attach cords and plugs to electrical equipment for connection to a single phase 230 volt supply
- UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications.
- HLTAID001 Provide cardiopulmonary resuscitation
- CPCCOHS1001A Work safely in the construction industry

Correct at time of printing

