



THIS COURSE IS NOT OFFERED FOR DELIVERY BY A SCHOOL

## Why study Electrotechnology?

Electrotechnology aims to provide students with the opportunity to gain a range of skills suitable for employment in the electrotechnology industry and to provide pathways for further study.

This course is for people seeking entry level training in the electrotechnology industry. You will learn how to identify and use a range of components, accessories, materials, tools, equipment and technologies in the carrying out of work in the electrotechnology industry.

Working in the electrotechnology industry involves the design, installation, servicing and repair and maintenance of electrical and electronic equipment, for industrial, commercial and domestic purposes, such as:

- light and power
- computer systems
- wireless technology
- network management
- solar energy equipment

It also includes:

- communication systems
- distribution and transmission of power
- electrical generations
- lift, refrigeration and air conditioning engineering

### Samples of occupations students can aim for in the electrotechnology industry:

- ✓ electrician
- ✓ electrical engineer
- ✓ electrical distribution trade worker
- ✓ electrical engineer draftsman/technician

**Depending on competencies chosen, full or part qualifications from the Electrotechnology Training Package (UEE11) are available. Your teacher or VET Coordinator will advise the competencies and qualifications that may be available.**

The qualifications available through the Electrotechnology Curriculum Framework are:

- Certificate II in Electrotechnology (Career Start) UEE22011\*
- Certificate II in Computer Assembly and Repair UEE20511 \*
- Certificate II in Data & Voice Communications UEE20711 \*
- Certificate II in Technical Support UEE21711\*
- Certificate II in Sustainable Energy (Career Start) UEE2211\*

\* A statement of attainment in partial completion of qualification/s may also be available.

# Electrotechnology

## Industry Curriculum Framework

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- Statement of attainment in partial completion of Certificate III in Data & Voice Communications UEE30411
- Statement of attainment in partial completion of Certificate III in Electrotechnology Electrician UEE30811
- Statement of attainment in partial completion of Certificate III in Electrical Fitting UUEE33011

For more information on possible outcomes please refer to the Electrotechnology Curriculum Framework syllabus that can be found by visiting the VET Curriculum Frameworks page of the Board of Studies NSW website: [http://www.boardofstudies.nsw.edu.au/syllabus\\_hsc/electrotechnology.html](http://www.boardofstudies.nsw.edu.au/syllabus_hsc/electrotechnology.html)

### Course description

This course is based on units of competency, which have been developed by the utilities and electrotechnology industry to describe the competencies, skills and knowledge required by workers in the industry.

<b>Mandatory Units</b>
<b>Components, tools &amp; equipment</b>
UEENEEE102A Fabricate, assemble and dismantle utilities industry components UEENEEE105A Fix and secure electrotechnology equipment
<b>Direct current circuits</b>
UEENEEE104A Solve problems in d.c. circuits
<b>Drawings, diagrams &amp; compliance</b>
UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications
<b>Safety</b>
UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace
<b>Sustainability</b>
UEENEK142A Apply environmentally and sustainable procedures in the energy sector
<b>Working in the industry</b>
UEENEEE148A Carry out routine work activities in an energy sector environment

Work placement is a mandatory HSC requirement within this Framework - 70 hours for a 2 year course.

### Recognition of Prior Learning

If you have already completed all or part of a similar vocational course elsewhere, such as at TAFE, your previous studies and results will be recognised. You will not have to repeat that training and assessment. Additionally if through previous work or life experiences you have already developed high level skills in this course area, these may also be able to be recognised. Your teacher or VET Coordinator can provide more details of the recognition process.

**School-based traineeships and apprenticeships are available in this industry area, for more information: <http://www.sbatinnsw.info/>**