



Training and Development Provider 1:

COURSE CODE: UEE21907 **CERTIFICATE II ELECTRONICS (PEER VEET)**

- Available to:** Years 11 and 12
TWO Year course
(1st year 32 weeks) (2nd year 32 weeks)
- Accreditation:** First Year - 30 SACE Credits
Second Year - 30 SACE Credits
Stage 2

The Electrotechnology industry includes electrical engineering, industrial measurements and control, electrical appliances servicing, electronic and radio communication equipment and wiring installation. There are employment opportunities in the following areas: lighting, general power, fire protection and security, robotics, automated process systems, instrumentation (food processing, water, petrochemical and manufacturing), optical data and voice systems, and electrical motors and control system. Further study would enable individuals to work across a broad span of environments including: residential, commercial and heavy industrial buildings.

Typical work activities include the installation, maintenance and modifying of electrical components, wiring, equipment and systems that are used throughout buildings, and manufacturing applications.

This qualification provides grounding in safety and basic skills and knowledge for work in any Electrotechnology discipline. This certificate is completed over TWO years, as First Year and Second Year. It is anticipated Year 11 students would complete First Year and continue with Second Year in year 12. Once both years are complete students will receive a Certificate II in Electronics. If the First Year is complete and the student does not wish to continue into Second Year, they will receive a Statement of Attainment for any First Year competencies completed. (Year 12's are able to complete First Year and receive a Statement of Attainment at the end of the year, however will not be able to participate in Second Year unless they are still enrolled at school - ie: Year 13).

Aspects to consider:

- Students gain SACE credits as well as credit towards National Accredited Competencies
- Genuine interest in Electrotechnology and a good understanding of both English and Maths. To assist you with the level required please go to: www.grouptraining.com
- Students interested will be required to attend and interview as part of the selection process
- Students must be prepared to complete their study once a week **during school hours (8am to 4pm)** conducted off campus in conjunction with the Partnership schools
- Note: There is project/practical based and so is held at various worksites
- Students develop independent learning skills
- A Training Record Book must be used to maintain attainment of skill acquisition and competencies achieved
- Students are required to undertake **4 weeks of compulsory structured work placement**
- Steel capped safety boots
- Cost (see your VET Coordinator)

FIRST YEAR (pre-requisite for Second Year)

Content:

- | | | |
|---------------|--|----------|
| ➤ UEENEEE001B | Apply OHS practices in the workplace | 20 hours |
| ➤ UEENEEE002 | Dismantle, assemble and fabricate Electrotechnology components | 40 hours |
| ➤ UEENEEE003B | Solve problems in extra low voltage single path circuits | 40 hours |
| ➤ UEENEEE004B | Solve problems in multiple path d.c. circuits | 40 hours |
| ➤ UEENEEE034B | Document occupational hazards and risks in electronics | 20 hours |
| ➤ UEENECC001B | Maintain Documentation | 20 hours |
| ➤ UEENEEA006B | Apply Lead free soldering techniques | 40 hours |

Additional Unit – not included in the training package

- CPCCOHS1001A – Work safely in the construction industry – 6 hours

Four weeks of work experience – 160 hours

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Second Year - (for continuing students only)

- UEEENEE038B Participate in the development and follow a personal competency development plan 20 hours
- UEEENEE048C Carry out routine activities in an Electrotechnology environment 40 hours
- UEEENEEH002B Carry out basic repairs to electronic apparatus by replacement of components 40 hours
- UEEENEEA002B Select electronic components 20 hours
- UEEENEE0079A Identify and select components, accessories and materials for Electrotechnology work activities 20 hours
- UEEENEE0007B Use drawings, diagrams, schedules and manuals 40 hours
- UEEENEE005B Fix and secure equipment 20 hours
- UEEENEEK042A Participate in environmentally sustainable work practices 20 hours

Four weeks of work experience – 160 hours

Assessment:

Competency based activities & practical assessments
classroom based study and workshop activities as well as one major written project

Qualifications gained:

UEE21907 Certificate II Electronics - over two years (SACE STAGE 2)

First Year: Statement of Attainment for any competencies completed

Second Year: Certificate II Electronics

Course pathway:

Electrical Pre-Apprenticeship course

Certificate II in Security

Certificate II in Data Communications, Certificate III in Data Communications

Certificate III in Electrotechnology – Electrician

Certificate III in Refrigeration and Air-conditioning

Contact: School VET Coordinator