

# Certificate II in Electrotechnology Studies (Pre-vocational)

Course code: 22261VIC

This pre-vocational program (commonly known as the electrical pre-apprenticeship) aims to equip students with the knowledge and skills that will enhance their employment prospects in the electrical or related industries.

Successful completion of the course may lead to an apprenticeship and/or provide a progression to a Certificate III or IV in other electrotechnology fields.

On successful completion of a VETiS course, students are guaranteed a place in a Swinburne Vocational Education program (subject to entry requirements for the course they wish to undertake are met).

## Location and times

Year 1 and 2  
Croydon and Wantirna campuses  
Wednesday 8.00am–4.00pm

Year 1 only  
Wantirna campus  
Wednesday 1.00pm–6.00pm  
Plus one-week block in Term 3 break

## Mode of delivery

Classroom/Workshop based

## Duration

Two years part-time

## Outcomes

On successful completion of this program, students will:

- VCE: be eligible for up to five units of credit towards their VCE: three units at Units 1 and 2 level and a Units 3 and 4 sequence.  
Students who receive a Units 3 and 4 sequence will be eligible for an increment towards their ATAR (10% of the average of the primary four scaled studies).
- VCAL: meet the requirements for the Industry Specific Skills strand and may also contribute to the Work Related Skills Strand of VCAL.
- Qualification: be eligible for a Victorian recognised qualification 22261VIC - Certificate II in Electrotechnology (Pre-vocational).

## Personal protective equipment

Students are required to wear worksite appropriate clothing such as overalls and safety work boots (steelcapped). A Casio FX-82AU scientific calculator is also required.

## Structured Workplace Learning

Structured Workplace Learning (SWL) is not required but is strongly recommended by the Victorian Curriculum and Assessment Authority [www.vcaa.vic.edu.au/](http://www.vcaa.vic.edu.au/)

The finding and management of SWL is the responsibility of the school.

## Complementary studies

- Mathematical Methods
- Physics

## Pathway opportunities

- Certificate III in Electrotechnology (electrical apprenticeship)
- Certificate IV in Electrotechnology (post-apprenticeship)

## Fees and application

Contact the Secondary School VET Coordinator or Careers Practitioner.

## Career opportunities

Electrician

## Information for students

Please refer to [www.swinburne.edu.au/policies-regulations/](http://www.swinburne.edu.au/policies-regulations/) for student rights and responsibilities while on campus.

## More information

T: 1300 275 794  
E: [VETinschools@swin.edu.au](mailto:VETinschools@swin.edu.au)  
W: [www.swinburne.edu.au/vetis](http://www.swinburne.edu.au/vetis)

## Certificate II in Electrotechnology Studies (Pre-vocational) 22261VIC

### Units of competency

#### Year 1

Unit code	Unit name	Nominal hours	Compulsory / Elective
UEENEEE105A	Fix and secure electrotechnology equipment	20	C
UEENEEE103A	Solve problems in ELV single path circuits	40	C
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components*	40	C
UEENEEE148A	Carry out routine work activities in an energy sector environment*	40	C
UEENEEE130A	Provide solutions and report on routine electrotechnology problems	60	C
UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace*	20	C
HLTAID002	Provide basic emergency life support	12	C
CPCCOHS001A	Work safely in the construction industry	6	C
<b>Total nominal units</b>		<b>238</b>	

\*These units are pre-requisite for enrolment into second year. Students who do not complete/pass these units will be ineligible to enrol in the second year of the program.

#### Year 2

Unit code	Unit name	Nominal hours	Compulsory / Elective
UEENEEE179A	Identify and select components, accessories and materials for energy sector work activities	20	C
UEENEEE141A	Use of routine equipment plant technologies in an energy sector environment	80	E
UEENEEK112A	Provide basic sustainable energy solutions for energy reduction in residential premises	40	E
UEENEEP024A	Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply	20	E
UEENEEE142A	Produce products for carrying out energy sector work activities	80	C
<b>Total nominal units</b>		<b>240</b>	

Information is current at the time of publication (September 2017) but is subject to change.