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

Croydon and Wantirna campuses
Wednesday 8.00am–4.00pm

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).

Dual certificate option

In 2017 Swinburne is planning to offer students enrolled in this course an opportunity to complete a dual qualification by completing an additional four units from UEE22111 Certificate II in Sustainable Energy.

The additional units will be delivered during term holidays (2–3 week blocks spread across the two years). More details on this offer will be available later in the year.

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/

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/ for student rights and responsibilities while on campus.

More information

T: 1300 275 794
E: VETinschools@swin.edu.au
W: www.swinburne.edu.au/vetis
Certificate II in Electrotechnology Studies (Pre-vocational)

Units of competency

Year 1

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

Total nominal units 238

*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

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Nominal hours</th>
<th>Compulsory / Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>UEENEEE179A</td>
<td>Identify and select components, accessories and materials for energy sector work activities</td>
<td>20</td>
<td>C</td>
</tr>
<tr>
<td>EENEEE141A</td>
<td>Use of routine equipment plant technologies in an energy sector environment</td>
<td>80</td>
<td>E</td>
</tr>
<tr>
<td>UEEENEEK112A</td>
<td>Provide basic sustainable energy solutions for energy reduction in residential premises</td>
<td>40</td>
<td>E</td>
</tr>
<tr>
<td>UEEENEEP024A</td>
<td>Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply</td>
<td>20</td>
<td>E</td>
</tr>
<tr>
<td>UEEENEEE142A</td>
<td>Produce products for carrying out energy sector work activities</td>
<td>80</td>
<td>C</td>
</tr>
</tbody>
</table>

Total nominal units 240

Information is current at the time of publication (July 2016) but is subject to change.