VET ELECTRICAL

21887VIC Certificate II in Electrotechnology (Pre Vocational)

Certificate II in Electrotechnology provides basic electrical theory and practical skills in electrical security systems, refrigeration and air conditioning trades. Students learn how operate safely in an electrical workshop, interpret electrical drawings, identify, select and use equipment to carry out general work activities. Students will learn how to interact with clients and deliver a quality service.

This subject is part of a program that aims to provide students with the skills needed to gain an apprenticeship in the electrical trades.

YEAR 11: Perform Computations; Dismantle, assemble and fabricate electrotechnology components; solve problems in extra-low voltage single path circuits; solve problems in multiple path D.C. circuits, Use drawings, diagrams, schedules and manuals, Provide basic sustainable energy solutions for energy reduction in domestic premises; Perform basic welding and thermal cutting processes to fabricate engineering structures, Occupational hazards and risks.

YEAR 12: Fix and secure equipment: identify and select components/accessories/materials for electrotechnology work activities; produce routine products for carrying out work activities; conduct in-service safety testing of electrical cord assemblies and cord connected equipment; carry out preparatory electrotechnology work activities.

Pre- requisites
Students must complete Year 11 before proceeding to Year 12 of the program. Please note that the delivery of some units are embedded within VCE subjects.

PATHWAYS ………where may this program lead?

On successful completion students will be eligible for the award of Certificate II in Electrotechnology

UNIVERSITY

- Degree studies can be gained via Armed Services Programs
- Associate Diploma Electrical Engineering

TAFE/TRAINEESHIPS/APPRENTICESHIPS

Electrical linesperson, motor winding, lift technician, refrigeration and air-conditioning, security system, telecommunication technician

Allied Trade/Technical Traineeships

Employment

Electrical retail. Limited employment outcomes without further training

Before finalising units consult a careers adviser and check:
- Tertiary entry requirements - Prerequisite and/or recommended units
- Special entry requirements eg folio, interviews
TWO YEAR PROGRAM

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<tr>
<th>Year</th>
<th>English 1</th>
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<th>English 3</th>
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<td>VET Electro-Technology (Pre-Vocational)</td>
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<td>Systems &amp; Technology (Electrical) 3</td>
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<td>Product Design &amp; Technology (Engineering) 1</td>
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COMMON UNITS

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<tr>
<th>COMMON UNITS</th>
<th>RECOMMENDED ELECTIVES – choose TWO</th>
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<td>Year 11</td>
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<td>Year 12</td>
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CONTRIBUTION TO THE VCE

Upon successful completion of the Certificate II in Electrotechnology (Pre-Vocational) students will be eligible for up to five units credit at Units 1 & 2 level.

ATAR CONTRIBUTION

There is no Unit 3 & 4 sequence for this program and therefore it does not contribute towards a study score. Students are advised to discuss the implications of this at time of interview and program planning.

Fees

Material charges in 2012 were Year 11 $790 and Year 12 is $750


Information current at May 2012.