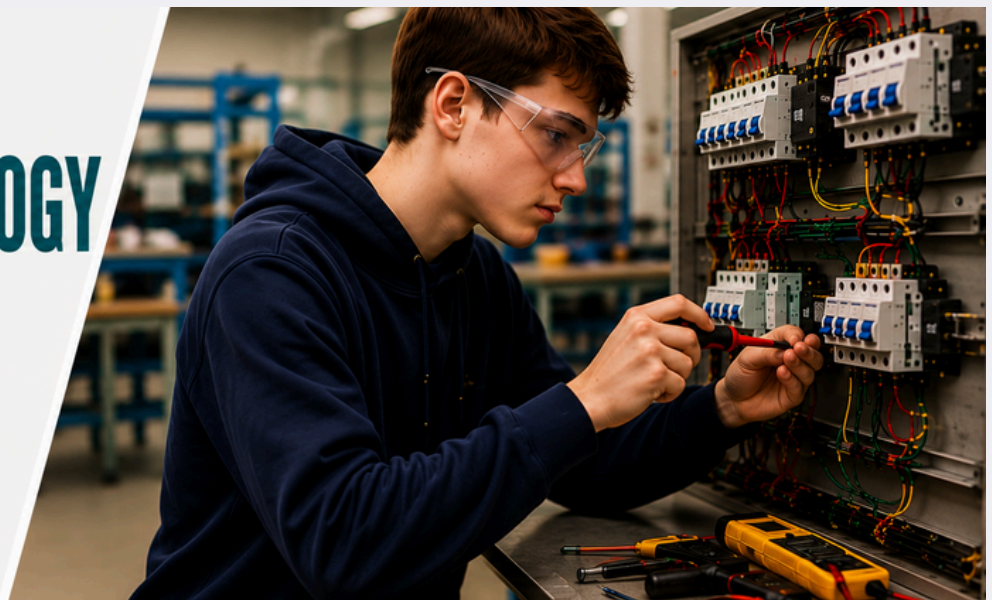


Certificate II in ELECTROTECHNOLOGY

(Pre-vocational)
| (Partial Completion)

COURSE CODE: 22682VIC



Description:

Curious about how electrical systems work and thinking about a career as an electrician? This introductory course equips you with the knowledge and skills that form the fundamentals of electrical, telecommunication, refrigeration, and air conditioning systems, plus workshop experience in fabrication and assembly techniques, wiring, cabling, basic installation skills, and the use of test equipment. It can help you gain an apprenticeship in Electrotechnology (Certificate III level). Students develop safe work practices, tool use, measurement skills, and introductory electrical work in a practical environment that supports career readiness.

You will learn things like:

- Gain the knowledge and skills to achieve competencies that will enhance employment prospects in the electrical or electrical-related industries
- Participants will learn to identify and use a range of components, accessories, materials, tools, equipment and technologies in electrical work
- How to prepare to work safely in the construction industry
- How to fix and secure Electrotechnology equipment

Does this sound like you:

- Enjoy physical outdoor work and have a practical mindset
- Are comfortable with manual labour and working in all weather conditions
- Have good hand-eye coordination and spatial awareness
- Are confident working at heights and with tools
- Enjoy solving technical problems and working to precise measurements
- Have a sound understanding of mathematics (for measuring, calculating angles, quantities, and quotes)

Future Ready Skills::

Students develop valuable employability skills including:

- Electrical Theory
- Electrical Safety
- Fault Finding
- Teamwork
- Problem Solving
- Wiring Techniques
- Technical Drawings
- Measuring and Testing
- Hand and Power Tools
- Communication

COURSE INFORMATION

Qualification	Certificate II in Electrotechnology
Qualification Code	22682VIC
Qualification Outcome	Partial Completion. Students will receive a Statement of Attainment for Units of Competency completed.
Year Levels	Year 10 (check with your school), Year 11, Year 12
Structured Workplace Learning	SWL requirements vary between VET courses and RTO's. Check with your VET Coordinator
Contribution to Senior Secondary Certificate	Contributes to VCE, VCE VM and VPC in accordance with current <u>VCAA</u> requirements. Speak with your VET Coordinator for advice specific to your senior pathway.
Transport	Students are responsible for travel to and from the delivery location. Subject to transport funding, SMRVC may provide transport on certain routes. Check with your VET Coordinator.
Scored Program	No



Venue & RTO:

RTO	LOCATION	DELIVERY DAY/TIME
<u>Bendigo TAFE (3077)</u>	Charleston Rd - Bendigo	Tuesday (Yrs 1 & 2): 9am - 3.30pm
<u>Kangan Institute (3077)</u>	Broadmeadows	Yr 1: Wed, Thurs, or Fri 8.30am - 3.30pm Yr 2: Friday - 8.30am - 3.30pm
<u>Victoria University (3133)</u>	Sunshine	Tues, Wed, Thurs or Friday 8.30am - 3.00pm

Industry Insight:

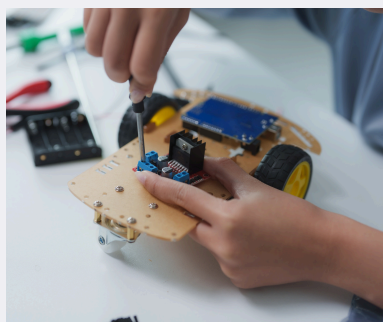
The electrical industry offers strong career prospects across a wide range of sectors including construction, manufacturing, renewable energy, infrastructure, mining, communications and maintenance.

Further Study Pathways:

- Certificate III in Carpentry
- Certificate III/IV in Building and Construction
- Diploma of Building & Construction (CPC50220)
- Pathway into registered apprenticeships/traineeships

Career Opportunities:

- Apprentice Electrician
- Construction Labourer
- Trade assistant
- Site Assistant



How to apply:

All students must apply through their school VET Coordinator and submit their Expression of Interest by the required dates. Placement is subject to availability and school approval.

Fees: VET course and materials costs vary between courses. Refer to your VET Coordinator.

COURSE CODE	UNITS OF COMPETENCY (*Guide only may vary between RTO's)
UEECD0052	Use routine equipment/plant/ technologies in an energy sector environment
CPCCWHS1001	Prepare to work safely in the construction industry
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace
UEECD0020	Fix and secure electrotechnology equipment
UEERL0001	Attach cords and plugs to electrical equipment for connection to a single-phase 230-volt supply
VU23737	Use test instruments in the electrotechnology industry
UEECD0042	Solve problems in ELV single path circuits
VU23480	Perform intermediate engineering computations
VU23739	Carry out basic network cabling for extra low voltage
VU23738	Plan and complete a basic electrotechnology project
VU23735	Install a sustainable extra low voltage energy power system

***UOC's may differ from one RTO to another - these are listed as a guide. Check with your VET Coordinator**

INFORMATION PROVIDED AS A GUIDE ONLY
Please check details with your VET Coordinator prior to enrolment