NORTHERN COLLEGE OF THE ARTS & TECHNOLOGY

NATIONALLY RECOGNISED TRAINING

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

Course Information Brochure

Description of Course

In our modern world there's high demand for careers in Electrotechnology. This pre-vocational course provides the opportunity for those wishing to gain employment in the electrotechnology industry with the required prerequisite knowledge and skills to gain access to a wide range of apprenticeships offered within this industry. In particular, the course provides training in basic electrical theory, electrical workshop practices, wiring and basic installation skills, the use of hand and power tools and an overview of the electrotechnology industry and the range of occupations within it.

The training is unique in that it is mainly project based and gives industry relevant hands-on experience in a realistic simulated environment. The course gives you the basic skills to make you job ready from day one of the job. You will gain a sound appreciation of the basic tools and equipment an electrician/technician uses. You will learn how to read circuit diagrams, take electrical measurements and perform electrical calculations.

Activities/task

The course provides both theoretical and practical training that is linked directly to the work that electrotechnology related technicians undertake. The course includes:

- Basic electrical/electronic theory
- Renewable energy concepts and projects
- Electrical wiring theory , regulations and practice
- Electric motor theory and practice
- Integrated work placement

Assessment

Assessment is conducted using a combination of project based practical tasks, theory tests and design folios/briefs. The assessment of your overall competence at this certificate level will be undertaken by a qualified assessor and your competence judged using all of these tasks.
Students will be given a fair and adequate assessment process that includes the option of an assessment re-sit. RPL is available where you are able to demonstrate equivalent competence.

Eligibility and prerequisites

It is recommended students have a minimum sound achievement of Year 10 Maths and English or equivalent and an aptitude for practical work. If you have any individual needs please contact us to discuss these.

Course Content

Unit Code	Unit Title
Core	
CPCCOHS1001A	Work safely in the construction industry
HLTAID002	Provide basic emergency life support
UEENEEE101A	Apply occupational health and safety regulations, codes and practices in the workplace
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components
UEENEEE103A	Solve problems in ELV single path circuits
UEENEEE105A	Fix and secure electrotechnology equipment
UEENEEE130A	Provide solutions and report on routine electrotechnology problems
UEENEEE142A	Produce products for carrying out energy sector work activities
UEENEEE148A	Carry out routine work activities in an energy sector environment
UEENEEE179A	Identify and select components, accessories and materials for energy sector work activities

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Unit Code	Unit Title
Electives	
UEENEEP024A	Attach cords and plugs to electrical equipment for connection to a single phase 230 volt supply
UEENEEK112A	Provide basic sustainable energy solutions for energy reduction in residential premises
VU21533	Perform energy sector installations of extra low voltage (ELV) single path circuits
VU20913	Apply basic fabrication techniques

Benefits of this training

Pre-apprenticeships provide the opportunity for those wishing to gain apprenticeships to courses relevant to the industry they hope to work in. As it can be difficult to gain apprenticeships without experience, pre-apprenticeships can give you an edge and impress potential employers.

Completing the program may provide exemptions from subjects studied in the first year of an apprenticeship. Pre-apprenticeships can actually cut the study workload in subsequent years.

Pathways

Participants who successfully complete this program may receive credit toward an apprenticeship in Electrotechnology. The most common pathway is credit towards the Certificate III in Electrotechnology Systems Electrician.

Course Fees

VET students from other schools have separate fee arrangements with their own schools for VET course costs. All training resources are provided when classes commence. NCAT students please see the Payment Form – Material Charges.

For safety reasons there is a NCAT uniform for this course which is not included in the materials cost. Parents will receive a letter outlining specific details of the uniform and the supplier.

Length of the Course

This course runs for two years. Students completing this as part of their VCAL or VCE program will complete the program over two years. You will be provided with a schedule and training plan for completing assessment tasks for each unit.

Enrolment Process

Students enrolling as full time students must contact the college on Tel 9478 1333 for an interview. External students must apply through the VET coordinator at their home school and complete the enrolment form at the NCAT information evening.

Please note

For details regarding Access, Equity, Privacy Policy, Refunds Policy, Student Conduct, Recognition Processes, Access to Records, Complaints & Appeals Policy etc. please see the VET Student Handbook available on the NCAT website.

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