



Electrotechnology

Diocese of Lismore Catholic Schools Limited 45649

Certificate II in Electrotechnology (Career Start) UEE22020

Recognition	Nationally recognised AQF Training Qualification
Course Hours	240 hours
Course Type	Board Developed *
Duration	2 years
Unit Value	2 unit Preliminary & 2 unit HSC
Workplacement	Mandatory
School-based Apprenticeship or Traineeship possible	Opportunity to progress through Stage One of their apprenticeship within the Electrotechnology Industry and gain credit towards their HSC.
Year 12	120 hrs Extension will be offered to students wanting a career in this industry.

This course is designed to enable students to acquire knowledge and skills related to work, employment and further training in the Electrotechnology Industry.

Electrotechnology has many vocational fields including Electrical/Electricians. Electricians install, maintain, repair, test and commission electrical and electronic equipment and systems for industrial, commercial and domestic purposes. Electricians may also work on electrical transmission and distribution equipment.

NOTE: To best cope with the demands of this course, students considering studying Electrotechnology should be competent in Year 10 Maths (recommended minimum Maths 5.2) and prepared to continue HSC Maths Standard 2 in Year 11 and 12.

ASSESSMENT

Assessment strategies include:

- Observation
- Written tasks
- Integrated practical tasks
- Competency tests

FURTHER STUDY

Certificate III in Electrotechnology Electrician, Certificate III in Electronics and Communications, Certificate IV in Electrical – Data and Voice Communications, Certificate III ESI Distribution, Certificate IV in ESI Substations.

CAREER PATHWAYS

Electrician, Data Communications Worker, Electronics Specialists, Computer Servicing/Assembly Worker, Electronics Assembly and Repair Worker, Antennae Equipment Installer, Electrical Trades Assistant, Renewable Energy Worker, Electrical Wholesaling, Refrigeration & Air-Conditioning Mechanic and Lineworker.

PERSONAL REQUIREMENTS

- Enjoy mathematical and technical activities
- Aptitude for mechanics and electrical
- Able to do precise and detailed work

Topics Studied Include...

- Prepare to work safely in the construction industry
- Apply work health and safety regulations, codes and practices in the workplace
- Carry out routine work activities in an energy sector environment
- Use drawings, diagrams, schedules, standards, codes and specifications
- Provide solutions and report on routine electrotechnology problems
- Fabricate, assemble and dismantle utilities industry components
- Solve problems in single path circuits
- Fix and secure electrotechnology equipment
- Apply environmentally and sustainable procedures in the energy sector
- Provide basic sustainable energy solutions for energy reduction in residential premises
- Maintain documentation
- Use routine equipment/plant/ technologies in an energy sector environment
- Identify and select components, accessories and materials for energy sector work activities

SAFETY REQUIREMENTS

- College high-visibility trade shirt & black leather work boots *See page 14.*
- All students undertaking this course must have a White-card qualification. The College will provide access to training with costs provided upon enrolment.



To find out more scan the QR code to visit newmancollege.live/courses/electrotechnology



For information on subject-specific costs scan the QR code to visit newman.nsw.edu.au/fees-explained