



# Electrotechnology

Diocese of Lismore Catholic Schools Limited 45649

## Certificate II in Electrotechnology (Career Start) UEE22020

<b>Recognition</b>	Nationally recognised AQF Training Qualification
<b>Course Hours</b>	240 hours
<b>Course Type</b>	Board Developed *
<b>Duration</b>	2 years
<b>Unit Value</b>	2 Unit Preliminary & 2 Unit HSC
<b>Workplacement</b>	Mandatory
<b>School-based Apprenticeship or Traineeship possible</b>	Opportunity to progress through Stage One of their apprenticeship within the Electrotechnology Industry and gain credit towards their HSC.
<b>Year 12</b>	120 hr (2 Unit) specialisation will be offered to apprentices and students enrolled in the 240 hr course wanting a career in this industry. Eg Electrician

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 pre...
- Maintain documentation
- Use routine equipment/plant/technologies in an energy sector environment
- Identify and select components, accessories and materials for energy sector work activities



To find out more scan the QR code or visit [newmancollege.live/courses/electrotechnology/](http://newmancollege.live/courses/electrotechnology/)

### ANTICIPATED YEAR 11 COURSE COSTS

YEAR 11 \$75

YEAR 12 \$60

YEAR 12 SPECIALISATION COURSE - \$40

### SAFETY REQUIREMENTS

- College high-visibility trade shirt & black leather work boots *See page 14*
- A Safety Pack is essential for all trade students, including safety glasses, hearing protection and dust mask, available for purchase at the College.
- All students undertaking this course must have a White card qualification. The College will provide access to training with costs provided upon enrolment.