



CATHOLIC SCHOOLS OFFICE, LISMORE DIOCESE 7054

THE INFORMATION PROVIDED IS CORRECT AT 6 APRIL 2017

ELECTROTECHNOLOGY

This qualification covers competencies for work entry program providing grounding in safety and basic skills and knowledge for work in any electrotechnology discipline.

COURSE DETAILS

QUALIFICATION OUTCOMES	Students who demonstrate competency in the required units of competency will be eligible for Certificate II Electrotechnology (Career Start) (UEE22011)
HOURS	240 Hours
DELIVERY	Face-to-Face by qualified staff
TYPE	Board Developed Course Category B
DURATION	2 years
UNIT VALUE	2 unit Preliminary 2 unit HSC
SPECIALISATION	Yes: Must be employed as School Based Trainee or Apprentice
HSC EXAM	Yes
ATAR	Yes
WORKPLACEMENT	Mandatory 70 hours
RECOGNITION	National and HSC Qualification
SBAT	Opportunity to complete a School Based Apprenticeships and Traineeship and gain credit towards the HSC
ENTRY REQUIREMENTS	There are no formal entry requirements for this qualification
COURSE FEES	A course fee is generally charged by schools to cover consumable materials. Your school will provide further
RESOURCES REQUIRED	<ul style="list-style-type: none"> • Work boots or leather shoes as directed by the school • PPE gear as directed by the school
RECOGNITION OF PRIOR LEARNING	RPL is available for students who have previously gained the skills and knowledge required. Your school will provide further information.

UNITS OF COMPETENCY

<ul style="list-style-type: none"> • Apply Occupational Health and Safety regulations, codes and practices in the workplace 	UEENEEE101A
<ul style="list-style-type: none"> • Carry out routine work activities in an energy sector environment 	UEENEEE148A
<ul style="list-style-type: none"> • Fabricate, assemble and dismantle utilities industry components 	UEENEEE102A
<ul style="list-style-type: none"> • Fix and secure electrotechnology equipment 	UEENEEE105A
<ul style="list-style-type: none"> • Use of routine equipment/plant/technologies in an energy sector environment 	UEENEEE141A
<ul style="list-style-type: none"> • Identify and select components, accessories and materials for energy sector work activities 	UEENEEE179A
<ul style="list-style-type: none"> • Solve problems in d.c. circuits 	UEENEEE104A
<ul style="list-style-type: none"> • Apply environmentally and sustainable procedures in the energy sector 	UEENEEK142A
<ul style="list-style-type: none"> • Use computer applications relevant to a workplace 	UEENEEED101A
<ul style="list-style-type: none"> • Work safely in the construction industry 	CPCCOHS1001A
<ul style="list-style-type: none"> • Perform CPR 	HLTCPR211A
<ul style="list-style-type: none"> • Use drawings, diagrams, schedules, standards, codes and specifications 	UEENEEE107A

ASSESSMENT

This course is competency based and the student's performance is assessed against prescribed industry standards. Assessment methods may include:

- Observation
- Student Demonstration
- Questioning
- Written tasks
- Tests

PERSONAL REQUIREMENTS

- Enjoy mathematical and technical activities
- Good hand-eye coordination
- Good eyesight (may be corrected) and normal colour vision
- Logical thinking and diagnostic ability
- Aptitude for mechanics and electronics
- Able to do precise and detailed work
- Able to work independently or as part of a team
- Able to cope with the physical demands of the job
- Good communication skills.

CAREER PATHWAYS

- Electrician
- Data Communications Worker
- Electronics Specialists
- Computer Servicing/Assembly Worker
- Electronics Assembly and Repair Worker
- Electrical Trades Assistant
- Refrigeration & Air Conditioning Mechanic
- Line Worker

JOB ROLES

- Read electrical, architectural and mechanical diagrams, drawings or specifications to determine job requirements
- Plan the layout of wiring system
- Test for, locate and repair electrical malfunctions
- Install electrical and electronic control systems and insulated cables
- Install electrical equipment such as storage heaters, water heaters, electrical signs, switchboard and motors
- Assemble and fabricate electrical and electronic components & appliances
- Connect switches, outlets and other fittings
- Connect circuit breakers
- Maintain automated production processes

DUTIES & TASKS OF AN ELECTRICIAN

Electricians may perform the following tasks:

- Read electrical, architectural and mechanical diagrams, drawings or specifications to determine job requirements
- Plan the layout of wiring systems
- Test for, locate and repair electrical malfunctions
- Install electrical and electronic control systems and insulated cables
- Install electrical equipment such as storage heaters, water heaters, electrical signs, switchboards and motors
- Assemble electrical and electronic components and appliances
- Connect electrical equipment to power supplies
- Connect switches, outlets and other fittings
- Connect circuit breakers
- Maintain automated production processes.

FURTHER STUDY

Apprenticeship, for example in

- Electrician or Other qualifications in Electrotechnology

For further information: <http://www.myskills.gov.au/>

Type the qualification code into the search bar, then click on the qualification title.

Explore Career Pathways and Student Outcomes including Employment, Salary, Occupations



ELECTROTECHNOLOGY



FOR MORE INFORMATION CONTACT:
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