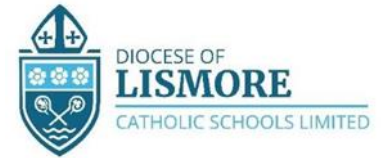


ELECTROTECHNOLOGY

UEE22020 Certificate II in Electrotechnology (Career Start)



RTO 45649

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

Hours	240 hours	Training Package	UEE
Type	Board Developed Course	Work Placement	Mandatory 70 hours
Unit Value	2 unit Preliminary 2 unit HSC	SBAT	Opportunity to complete a School Based Apprenticeships and Traineeship and gain credit towards the HSC
Specialisation	SBATs Only - must be employed as School Based Apprentice	Recognition	National AQF and HSC Qualification
HSC Exam	Yes	ATAR	Yes

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

DUTIES AND TASKS OF AN ELECTRICIAN

- 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 (storage heaters, water heaters, electrical signs, switchboard & motors)
- Assemble and fabricate electrical and electronic components & appliances
- Connect switches, outlets and other fittings
- Connect circuit breakers
- Maintain automated production processes

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

JOB ROLES IN THE ELECTROTECHNOLOGY INDUSTRY

- Independent electrician
- Maintenance electrician
- Mining electricians
- Construction electricians
- Linesmen

FURTHER STUDY

Apprenticeship, for example in

- Electrician
- Electrical Fitting
- Air Conditioning and Refrigeration
- Electronics and Communication

