

Qualification outline: Certificate III in Electrotechnology Electrician - UEE30811

	Term 1			Term 2			Term 3		Term 4	
Yr 1	Literacy+Numeracy Day	111+112 + 441 <b>WH&amp;S +Risk.A</b> E101A+ E137A+ C020B (2 days )	113 + 114 <b>Workshop + Fixings</b> E102A+ E105A (5 days )	Literacy+Numeracy Day	121 <b>DC Circuits</b>  E104A  (9 days)	131 <b>Drawings</b>  E107A  (5 days)	132 + 133 <b>Computer Basics + Intermediate</b> D101A + D104A (4 days)	141 <b>Environmental</b> K142A (2 days)	142 <b>Magnetism</b>  G101A  (7 days)	
Yr 2	Literacy+Numeracy Day	211 <b>AC Theory</b>  G102A  (9 days)			221 <b>Cabling</b>  G106A  (3 days)	222 <b>Protection Methods</b>  G063A  (5 days)	231 <b>AC Machines</b>  G006A  (7 days)	232 <b>Quotes</b>  C003B  (2 days)	241 <b>AC Methods</b>  G033A  (5 days)	242 <b>Testing</b>  G108A  (4 days)
Yr 3	311 <b>Cable Selection</b>  G107A  (8 days)		312 <b>Control Circuits</b>  G109A  (6 days)		321 <b>AS/NZ Standards</b> G103A  (2 days)	322 <b>Equipment Install</b> G104A  (2 days)	S01 + S02 <b>Solar Grid Connect + Install</b>  K125A+ K148A  (4 days)	Note: Tutorials 4 pm to 6:30 pm Every Tuesday, Wednesday and Thursday during term and some term breaks.		
Yr 4	= Cabling or practical course = Electrical theory course = Australian wiring rules context training = Language Literacy and Numeracy support days 1-3 as required = Elective option A Note: Please allow additional time on-the-job for: <ul style="list-style-type: none"> <li>• Our trainers/assessors to conduct on-site visits/assessments.</li> <li>• Testing experience with Access Canberra electrical inspectors.</li> </ul>									

- 111 WH&S
- **UEENEEE101A** - Apply occupational Health and Safety regulations, codes and practices in the workplace
- 112 Risk Assessment
- **UEENEEE137A** - Document and apply measures to control OHS risks associated with electrotechnology work
- 113 Workshop
- **UEENEEE102A** - Fabricate, assemble and dismantle utilities industry components
- 114 Fixings
- **UEENEEE105A** - Fix and secure electrotechnology equipment
- 121 DC Circuits
- **UEENEEE104A** - Solve problems in d.c. circuits
- 131 Drawings
- **UEENEEE107A** - Use drawings, diagrams, schedules, standards, codes and specifications
- 132 Computer Basics (Elective option A)
- **UEENEEED101A** - Use computer applications relevant to a workplace
- 133 Computer Intermediate (Elective option A)
- **UEENEEED104A** - Use engineering applications software on personal computers
- 141 Environmental
- **UEENEEK142A** - Apply environmentally and sustainable procedures in the energy sector
- 142 Magnetism
- **UEENEEG101A** - Solve problems in electromagnetic devices and related circuits
- 211 AC Theory
- **UEENEEG102A** - Solve problems in low voltage a.c. circuits
- 221 Cabling
- **UEENEEG106A** - Terminate cables, cords and accessories for low voltage circuits
- 222 Protection Methods
- **UEENEEG063A** - Arrange circuits, control and protection for general electrical installations
- 231 AC Machines
- **UEENEEG006A** - Solve problems in single and three phase low voltage machines
- 232 Quotes (Elective option A)
- **UEENEEC003B** - Provide quotations for installation or service jobs

## Legend

- 241 AC Methods
- **UEENEEG033A** - Solve problems in single and three phase low voltage electrical apparatus and circuits
- 242 Testing
- **UEENEEG108A** - Trouble-shoot and repair faults in low voltage electrical apparatus and circuits
- 311 Cable Selection
- **UEENEEG107A** - Select wiring systems and cables for low voltage general electrical installations
- 312 Control Circuits
- **UEENEEG109A** - Develop and connect electrical control circuits
- 321 AS/NZS Standards
- **UEENEEG103A** - Install low voltage wiring and accessories
- 322 Equipment Install
- **UEENEEG104A** - Install appliances, switchgear and associated accessories for low voltage electrical installations
- 331 Solar Grid Connect (Elective option A)
- **UEENEEK125A** - Solve basic problems in photovoltaic energy apparatus and systems
- 332 Solar Install (Elective option A)
- **UEENEEK148A** - Install, configure and commission LV grid connected photovoltaic power systems
- 441 Orientation
- **UEENEEC020B** - Participate in electrical work and competency development activities
- 442 Capstone
- **UEENEEG105A** - Verify compliance and functionality of low voltage general electrical installations

## Elective option B

- 443 Telecommunications:
- **UEENEEF102A** - Install and maintain cabling for multiple access to telecommunication services
- 444 Maintain Documentation
- **UEENEEC001B** - Maintain documentation



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