

IQY Technical College

Timetable UEE30820 Certificate III in Electrotechnology Electrician+NAT11297 Minimum Australian Context Gap

Course Code	Title of Unit (Core Units)	Nominal Hours Core	Nominal Hours Electives	Number of weeks	Class based	Laboratory				SDL (self directed learning) in class	SDL (Self directed learning)	Online assessments in IQY LMS
					Class theory delivery	Lab theory teaching	Lab practical teaching	Lab tasks and exercises	Lab practical assessments	Energy LMS exercises	Energy LMS assessments	Summative exam
HLTAID009	Provide Cardiopulmonary Resuscitation*	4		1	7	1	2	2				8
UEECD0007 (prerequisite)	Apply work health and safety regulations, codes and practices in the workplace	20		2	14	2	2	4	4	10	2	2
NAT11297001	Apply Australian Work Health and Safety practices in the electrical workplace	NA		2	14	2	2	4	4	10	2	2
UEECO0023 (prerequisite)	Participate in electrical work and competency development activities	20		3	21	3	3	12		15	6	3
UEERE0001 (prerequisite)	Apply environmentally and sustainable procedures in the energy sector	20		2	14	2	2	2	2	10	2	2
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work	20		2	14	2	2	2	2	10	2	2
NAT11297002	Document and apply control measures for Australian	NA		2	14	2	2	2	2	10	2	2

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	electrical workplace hazards and risks											
UEECD0019	Fabricate, assemble and dismantle utilities industry components	40		3	21	4	4	4	3	15	6	3
UEECD0020	Fix and secure electrotechnology equipment	20		2	14	2	3	2	3	12	2	2
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications	40		5	35	5	10	10	5	20	5	5
UEEEL0003	Arrange circuits, control and protection for electrical installations	40		3	21	3	4	4	4	15	6	3
NAT11297004	Select protection devices and systems for low voltage circuits and apparatus	NA		3	21	3	4	4	4	15	6	3
UEEEL0005	Develop and connect electrical control circuits	80		7	35	7	14	14	14	30	6	5
UEEEL0008	Evaluate and modify low voltage heating equipment and controls	20		2	14	2	3	3	4	12	2	2

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UEEEL0019	Solve problems in direct current (d.c.) machines	30		3	21	4	4	4	3	15	6	3
UEEEL0020	Solve problems in low voltage (a.c.) circuits	80		7	49	10	15	20	20	20	8	5
NAT11297003	Apply Australian standards and requirements to solve LV a.c. circuits/systems problems	NA		7	49	10	15	20	20	20	8	5
UEEEL0021	Solve problems in magnetic and electromagnetic devices	30		3	21	4	4	4	3	15	6	3
UEEEL0023	Terminate cables, cords and accessories for low voltage circuits	40		4	28	4	6	7	3	20	5	4
UEEEL0025	Test and connect transformers	40		3	21	4	4	4	3	15	6	3
UEEEL0024	Test and connect alternating current(a.c.) rotating machines	40		4	28	4	6	7	3	20	5	4
UEEEL0039	Design, install and verify compliance and functionality of general electrical installations	60		4	28	4	6	7	3	20	5	4
NAT11297006	Verify compliance, functionality and aspects critical to	NA	4	28	4	6	7	3	20	5	4	

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	the safety of electrical installations- Capstone Unit											
UEEEL0047	Identify, shutdown and restart systems with alternate supplies	20		2	14	2	3	2	3	12	2	2
UETDRRF004	Perform rescue from a live LV panel (2 hours)	00* (2)		1		2	4		2			2
UEEEL0046	Find and repair faults in LV (d.c.) electrical apparatus and circuits OR		60	5	35	8	10	10	10	30	6	5
UEEDV0005	Install and maintain cabling for multiple access to telecommunication services		60	5	35	8	10	10	10	30	6	5
NAT11297012	Lay and connect Australian telecommunication services for multiple access	NA	60	5	35	8	10	10	10	30	6	5
UEEEL0069	Select and arrange equipment for special LV electrical installations OR		60	5	35	8	10	10	10	30	6	5
UEEDV0008	Install, modify and verify coaxial and structured communication copper cabling		60	5	35	8	10	10	10	30	6	5

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Delivery Period	Class sessions: 100 weeks x 14 hours per week= 1400 hrs Electrical Lab: 100 weeks x 4 hours per weeks= 400 hrs Total delivery period is 100 weeks + 28 weeks holiday breaks = 128 weeks
Location of delivery	

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SAMPLE DELIVERY OVERVIEW

Term 1		
1	HLTAID009	Provide Cardiopulmonary Resuscitation* (delivered together with HLTAID011 and HLTAID012) Healthcare Lab in IQY TECHNICAL COLLEGE
2	UEECD0007 (prerequisite)	Apply work health and safety regulations, codes and practices in the workplace
3	UEECO0023 (prerequisite)	Participate in electrical work and competency development activities
4	UEERE0001 (prerequisite)	Apply environmentally and sustainable procedures in the energy sector
5	UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work
6	UETDRRF004	Perform rescue from a live LV panel
Holiday break		
Term 2		
7	UEECD0019	Fabricate, assemble and dismantle utilities industry components
8	UEECD0020	Fix and secure electrotechnology equipment
9	UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications
Holiday break		
Term 3		
10	UEECD0046	Solve problems in single path circuits
11	UEECD0044	Solve problems in multiple path circuits
Holiday break		
Term 4		
12	UEEEL0008	Evaluate and modify low voltage heating equipment and controls
13	UEEEL0009	Evaluate and modify low voltage lighting circuits, equipment and controls

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14	UEEEL0010	Evaluate and modify low voltage socket outlets circuits
15	UEEEL0023	Terminate cables, cords and accessories for low voltage circuits
Holiday break		
Term 5		
16	UEEEL0021	Solve problems in magnetic and electromagnetic devices
17	UEEEL0019	Solve problems in direct current (d.c.) machines
Holiday break		
Term 6		
18	UEEEL0020	Solve problems in low voltage (a.c.) circuits
Holiday break		
Term 7		
19	UEEEL0014	Isolate, test and troubleshoot how voltage electrical circuits
20	UEEEL0012	Install low voltage wiring, appliances, switchgear and associated accessories
Holiday break		
Term 8		
21	UEEEL0018	Select wiring systems and select cables for low voltage electrical installations
22	UEEEL0003	Arrange circuits, control and protection for electrical installations
Holiday break		
Term 9		
23	UEEEL0024	Test and connect alternating current(a.c.) rotating machines
24	UEEEL0025	Test and connect transformers
25	UEEEL0005	Develop and connect electrical control circuits
Holiday break		
Term 10		
26	UEEEL0047	Identify, shutdown and restart systems with alternate supplies
27	UEEEL0046	Find and repair faults in LV (d.c.) electrical apparatus and circuits

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28	UEEEL0069	Select and arrange equipment for special LV electrical installations
29	UEEEL0039	Design, install and verify compliance and functionality of general electrical installations
Holiday break		
Term 10		
27	UEEDV0005	Install and maintain cabling for multiple access to telecommunication services
28	UEEDV0008	Install, modify and verify coaxial and structured communication copper cabling
29	UEEEL0039	Design, install and verify compliance and functionality of general electrical installations