

Electrotechnology Qualifications

Certificate III - Electrotechnology Systems Electrician (UTE 3 11 99)

Current		Old		Core Units										Optional Unit						
Nat. Code	Title	Dur		NES009	NES105G	NES105I	NES106B	NES206B	NES301B	NES402B	NES501B	Control	Optional Unit NES011	Optional Unit NES105H	Optional Unit NES214V	Energy Supply	Optional Unit NES011	Optional Unit NES105H	Optional Unit NES214V	
NBB002.1	Occupational Health & Safety (Revised)	R	0.5																	
NE163.1	Electrical Heating (Revised)	R	0.5																	
NE164.1	Lighting (Revised)	R	0.5																	
NE172.2	Electrical Wiring & Equipment 1 (Revised)	R	0.5																	
NE173.1	Electrical Wiring & Equipment 2 (Revised)	R	1																	
NUE044	Electrical Safe Working Practice	N	0.5																	
NUE045	Applied Electromagnetism	N	1.5																	
NUE046	Alternating Current Machines	N	2																	
NUE048.1	Single & Three Phase Transformer	R	1																	
NUE049 or NUE052 and NUE054	Applied Electricity - d.c. circuits or Applied Electricity 1 and Applied Electricity 2	N	2																	
NUE059 or NUE056 and NUE057	Applied Electricity - a.c. systems or Applied Electricity 4 and Applied Electricity 5	N	2																	
NUE062	Drawing & Diagram for Electrical Work	N	1																	
NUE063 or NE032	Elect Wiring & Equipment 4 or Circuit Development 1	C	1																	
NUE064	Electronic Power & Control	N	1																	
NUE400	Electrical Installation - Protection Methods & Devices	C	1																	
NUE403	Electrical Installation-Design & Equipment Selection	N	2																	
NUE407	Electrical Wiring Systems	N	1																	
NUE408	Elect. Installation Testing & Verification	N	0.5																	
NUE505A & B	Electrical Systems Safety	N	0.5																	
TOTAL			20		7	20	20	20	20	20	20	20								
NE04	Power Supply Principles	C	1																	
NE19	Basic Transducers	R	0.5																	
NUE066	Circuit Development 2	R	1																	
NE042	Generation & Distribution of Electric Energy	C	0.5																	
NE044	Distribution Systems Metering & Load Control	C	0.5																	
NE139	Cells & Batteries	C	0.5																	
NE175.1	Workshop Practices	R	1																	
NE176	Programmable Controller - Basics	C	0.5																	
NE185	Power Control Systems	C	0.5																	
NI201	Concepts of Instrumentation	C	0.5																	
NI202	Pressure	C	1																	
NI203	Density / Level	C	1																	
NI204	Fluid Flow	C	1																	
NI205	Temperature	C	1																	
NI209	Control Valves	C	1																	
NUE159	Transmitters and Converters	C	0.5																	
NTC111	Telecomm Cabling Installations	C	1																	
NUE040	Introduction to Sustainable Energy (Electrical Context)	C	0.5																	
NUE190	Standards & Regulations - Telecommunications	R	0.5																	
NUE192	Telecommunications Systems Overview	R	0.5																	
NUE194	Telecommunication Structured Cabling	N	1																	

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Modules		Core Units															
Current	Old	NES009	NES105G	NES105I	NES106B	NES206B	NES301B	NES402B	NES501B	Control	Optional Unit NES011	Optional Unit NES105H	Optional Unit NES214 [^]	Energy Supply	Optional Unit NES011	Optional Unit NES105H	Optional Unit NES214 [^]
NUE199 / NTE199	Telecommunications CPR Regulations and Installations - Restricted																
NUE481	Security Systems Installations																
NUE490	Introduction to Fire Alarm Installations																
NUE491	Installation of Fire Alarm Systems																
NUE602	Electrical Systems for Mines I																
NUE603	Marine Electrical Systems																
NUE604.1	Rail Signalling Systems Concepts																
NUE606	Rail Signalling Control Systems																
NUE607	Rail Signalling Wiring Systems																
NUEH01, 30 & 31	Explosion-protection Principles & Gas Detection																
NUEH02	Explosion-protected Equipment																
NUEH03	Hazardous Areas Installation & Maintenance Techniques																
TOTAL OFF JOB																	
NEWP009	Participate in the Training of Others WP	WP															
NEWP011	Monitor Energy Usage in an Electrotechnology Context WP																
NEWP105 G	Install & Terminate Wiring Systems (Cabling/wiring support and protection) WP		WP														
NEWP105 H	Install & Terminate Wiring Systems (Network communications) WP																
NEWP105 J	Install & Terminate Wiring Systems (Power and control – low voltage) WP			WP													
NEWP106 B	Install Electrical/Electronic Apparatus (Electrical) WP				WP												
NEWP107	Install Explosion-protected Equipment & Wiring Systems WP																
NEWP110	Install Explosion-protected Equipment WP																
NEWP206 B	Install & Maintain Fluid Measurement Equipment WP																
NEWP214 [^]	Maintain & Repair Apparatus & Circuits (Electrical) WP																
NEWP206 B	Maintain Equipment in Hazardous Areas WP																
NEWP301 B	Undertake Commissioning of Apparatus & Circuits (Electrical) WP																
NEWP402 B	Test Apparatus & Circuits (Electrical) WP																
NEWP501 B	Diagnose & Rectify Faults in Apparatus & Circuits (Electrical) WP																
TOTAL ON JOB																	

Please see page titled "Notes to Matrices"

NOTE 1 - *Special add on to Qualification outcome for Process Control Specialisation - NETAG Approved 2 July 04

