



Electrotechnology Qualifications
 Certificate III - Electrotechnology Assembly and Servicing (UTE 3 01 04)

<div style="text-align: center;">  Modules </div>					Core Units							Specialisation									
					NES009	NES203B	NES206B	NES208^	NES401B	NES402B	NES501B	Appliances	Machines	Optional Unit NES211^	Optional Unit NES215^	Maritime Maintenance	Optional Unit NES211^	Optional Unit NES214^	Switchgear	Optional Unit NES211^	Optional Unit NES215^
NBB002.1	Occupational Health & Safety (Revised)		R	0.5		0.5	0.5	0.5	0.5	0.5	0.5										
NE172.1	Electrical Wiring and Equipment 1 (Revised)		R	0.5			0.5	0.5	0.5	0.5	0.5										
NE175.1	Workshop Practices (Revised)		R	1		1	1	1	1	1	1										
NUE044	Electrical Safe Working Practices		N	0.5		0.5	0.5	0.5	0.5	0.5	0.5										
NUE046	Alternating Current Machines	NE165 Three Phase Induction Motors NE166 Single Phase Motors NE12 Synchronous Motors	N	2		2	2	2	2	2	2										
NUE062	Drawing & Diagram for Electrical Work	NE031 Electrical Drawing Interpretation & Connection NUE210 Drawing Interpretation & Sketching	N	1		1	1	1	1	1	1										
NUE049 or NUE052 & NUE054	Applied Electricity - d.c. circuits or Applied Electricity 1 and Applied Electricity 2		N C	2		2	2	2	2	2	2										
NUE045	Applied Electromagnetism	NUE055 Applied Electricity 3/NE167 DC Machines-part	N	1.5		1.5	1.5	1.5	1.5	1.5	1.5										
NUE059 or NUE056 & NUE057	Applied Electricity - a.c. systems or Applied Electricity 4 and Applied Electricity 5		N C	2		2	2	2	2	2	2										
NUE400	Electrical Installation - Protection Methods & Devices		C	1			1	1	1	1	1										
NE019	Basic Transducers		R	0.5								0.5		0.5	0.5						
NE021	Rotating Electrical Machines Maintenance & Repair		C	1								1	1	1	1	1	1				
NE024	Switchboard Design & Construction 1		C	1											1	1	1				
NE032	Circuit Development 1		C	1								1	1	1	1	1	1				
NE038	Switchboard Design & Construction 2		C	1											1	1	1				
NE139	Cells & Batteries		C	0.5								0.5	0.5	0.5	0.5	0.5	0.5				
NE150	Stator Winding 1		R	0.5								0.5	0.5	0.5							
NE151	Stator Winding 2		C	1								1	1	1							
NE152	Small Armature Winding		C	1								1	1	1							
NE153	Single Phase Winding - Modifications		C	1								1	1	1							
NE154	Three Phase Winding - Modifications 1		C	1								1	1	1							
NE155	Three Phase Winding - Modifications 2		C	1								1	1	1							
NE156	Stators - Winding Development		C	1								1	1	1							
NE157	Rotor Winding		C	1								1	1	1							
NE163.1	Electrical Heating (Revised)		R	0.5								0.5	0.5	0.5	0.5	0.5	0.5				
NE164.1	Lighting (Revised)		R	0.5								0.5	0.5	0.5	0.5	0.5	0.5				
NE173.1	Electrical Wiring & Equipment 2		C	1								1			1	1	1				
NE176	Programmable Controller - Basics		C	0.5								0.5	0.5	0.5	0.5	0.5					
NE52	Transformers		C	0.5								0.5									
NR001	Refrigeration Fundamentals		C	1								1	1	1							
NR002	Refrigeration Procedures		C	1								1	1								
NR003	Refrigerants		C	1								1	1								
NR004	Refrigeration System Components		C	0.5								0.5									
NR006	Domestic Refrigerators & Freezers		C	1								1									
NR022	Timers & Controllers		C	0.5								0.5									

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					NES009	NES203B	NES206B	NES208^	NES401B	NES402B	NES501B	Appliances	Machines	Optional Unit NES211^	Optional Unit NES215^	Maritime Maintenance	Optional Unit NES211^	Optional Unit NES214^	Switchgear	Optional Unit NES211^	Optional Unit NES215^
NR027	Small Kitchen Appliances		C	0.5																	
NR029	Capillary Systems		C	0.5																	
NUE012.1	Service Clothes Washers & Dryers		R	1.5																	
NUE014	Service Dish Washing Machines		C	1																	
NUE032	Domestic Electrical Heating Appliance		C	1																	
NUE016.1	Domestic Appliances Principles		C	1																	
NUE048.1	Single & Three Phase Transformers	NE052 Transformers	R	1					1	1	1	1	1	1	1	1	1	1	1		
NUE064	Electronic Power Control		C	1						1		1	1	1	1	1	1	1	1		
NUE066	Circuit Development 2	Previously NE033	N	1																	
NUE095	Parts & Components Selection		C	0.5																	
NUE407	Electrical Wiring Systems	NE174 Electrical Wiring & Equipment 3	N	1								1	1	1	1	1	1	1	1		
NUE504	Electrical Equipment Safety		N	0.5					0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
NUE603	Marine Electrical Systems		C	1								1	1	1							
NUEH01,30 & 31	Explosion-protection Principles & Gas Detection		R	0.25							0.25			0.25					0.25		
NUEH02	Explosion Protected Equipment		C	1							1			1					1		
NUEH03	Installation & Maintenance Techniques		C	1										1							
NUEH05	Overhaul & Repair- EEHA equipment		C	1							1								1		
NUEH30	Disconnect & Reconnect - Hazardous		C	0.5						0.5			0.5					0.5			
NR023	Principles of Gas Appliances		C	1																	
NEWP009	Participate in the Training of Others WP		N	~	WP																
NEWP203B	Assemble Electrical/Electronic Apparatus (Electrical) WP		N	~		WP															
NEWP206B	Maintain & Repair Apparatus & Circuits (Electrical) WP		N	~			WP														
NEWP208^	Disconnect & Reconnect Fixed Wired Electrical Equipment 1,000Vac/1,500Vdc WP		N	~				WP													
NEWP211^	Disconnect & Reconnect Explosion-protected Electrical Equipment Connected Fixed Wired 1,000Vac/1,500Vdc WP		N	~						WP				WP				WP			
NEWP214^	Maintain Equipment in Hazardous Areas WP		N	~											WP						
NEWP215^	Overhaul & Repair Explosion-protected Equipment WP		N	~								WP							WP		
NEWP401B	Perform Functional Apparatus Checks(Electrical) WP		N	~																	
NEWP402B	Test Apparatus & Circuits(Electrical) WP		N	~																	
NEWP501B	Diagnose & Rectify Faults in Apparatus & Circuits (Electrical) WP		N	~																	

Please see page titled "Notes to Matrices"