

Electrotechnology Qualifications
Certificate III - Electrotechnology Instrumentation (UTE 3 08 99)

Modules				Core Units								Specialisation			
				NES009	NES105G	NES105I	NES106D	NES206D	NES301D	NES402D	NES501D	Control	Optional Unit NES209^	Measurement	Optional Unit NES209^
Nat. Code	Title		Dur												
NBB002.1	Occupational Health & Safety		C 0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
NE050	Programmable Logic Controllers 2 (PLCs 2)		C 1		1	1	1	1	1	1	1				
NE072	Operational Amplifier Applications		C 1			1	1	1	1	1	1				
NE172.2	Electrical Wiring & Equipment 1		C 0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
NE175.1	Workshop Practices		C 1	1	1	1	1	1	1	1	1				
NE177	Programmable Logic Controllers 1 (PLCs 1)		C 1		1	1	1	1	1	1	1				
NE178	DC Power Supplies		C 1				1	1	1	1	1				
NE179	Digital Electronics 1		C 1			1	1	1	1	1	1				
NE180	Digital Electronics 2		R 1				1	1	1	1	1				
NE182	Amplifiers 1		R 1				1	1	1	1	1				
NE184.1	Electronic Hand Soldering Technology		C 1		1	1	1	1	1	1	1				
NI201	Concepts of Instrumentation		C 0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5				
NI202	Pressure		C 1			1	1	1	1	1	1				
NI204	Fluid Flow		C 1			1	1	1	1	1	1				
NI205	Temperature		C 1		1	1	1	1	1	1	1				
NI207	Process Control Principles		C 1		1	1	1	1	1	1	1				
NI208	Process Control System		C 1		1	1	1	1	1	1	1				
NI213	Telemetry (Telemetry)		C 0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5				
NI216	Water Analysis		C 0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5				
NUE049 or NUE052 & NUE054	Applied Electricity - d.c. circuits or Applied Electricity 1 and Applied Electricity 2		N 2		2	2	2	2	2	2	2				
NUE056	Applied Electricity 4		C 1		1	1	1	1	1	1	1				
NUE210	Drawing Interpretation & Sketching		C 0.5			0.5	0.5		0.5	0.5					
NUE507	Instrumentation Systems Safety		N 0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5				

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											Control		Optional Unit NES209^		Measurement
Nat. Code	Title		Dur	NES009	NES105G	NES105I	NES106D	NES206D	NES301D	NES402D	NES501D				
NI206	Interpretation of Instrumentation Drawings and Manuals	R	0.5											0.5	
NUE159	Transmitters and Converters (Previously NE210)	R	0.5											0.5	0.5
NI203	Density/Level	C	1										1	1	1
NI209	Control Valves	C	1										1	1	
NI212	Distributive Control Systems (DCS)	C	1										1	1	
NI214	Indicators & Recorders	C	1												1
NI215	Gas Analysis	C	0.5												0.5
NI217	Scientific Analysis	C	0.5												0.5
NI218	Weighing	C	0.5												0.5
NEWP009	Participate in the Training of Others WP	N	~	WP											
NEWP105G	Install & Terminate Wiring Systems(<i>Cabling/Wiring Support & Protection</i>) WP	N	~		WP										
NEWP105I	Install & Terminate Wiring Systems(<i>Power & Control – Extra Low Voltage</i>) WP	N	~			WP									
NEWP106D	Install Electrical/Electronic Apparatus(<i>Instrumentation</i>) WP	N	~				WP								
NEWP206D	Maintain & Repair Apparatus & Circuits(<i>Instrumentation</i>) WP	N	~					WP							
NEWP209^	Attach Flexible Cords & Plugs to Electrical Equipment Connected to a Single Phase 250 Volt Supply WP	N	~										WP		WP
NEWP301D	Undertake Commissioning of Apparatus & Circuits(<i>Instrumentation</i>) WP	N	~						WP						
NEWP402D	Test Apparatus & Circuits(<i>Instrumentation</i>) WP	N	~							WP					
NEWP501D	Diagnose & Rectify Faults in Apparatus & Circuits(<i>Instrumentation</i>) WP	N	~								WP				

Please see page titled "Notes to Matrices"