

Electrotechnology Qualifications
Diploma - Electrical Engineering (UTE 5 02 99)

Modules				Core Units			Specialisation																							
							Control Systems					Drive Systems					Hazardous Areas					Power Systems					Renewable Energy			
Nat. Code	Title		Dur	NES303B	NES404B	NES503B	Optional Unit NES604B	Optional Unit NES605B	Optional Unit NES606B	Optional Unit NES701B	Optional Unit NES604B	Optional Unit NES605B	Optional Unit NES606B	Optional Unit NES701B	Optional Unit NES407^	Optional Unit NES604B	Optional Unit NES605B	Optional Unit NES606B	Optional Unit NES701B	Optional Unit NES705^	Optional Unit NES604B	Optional Unit NES605B	Optional Unit NES606B	Optional Unit NES701B	Optional Unit NES604B	Optional Unit NES605B	Optional Unit NES606B	Optional Unit NES701B		
EA160	Advanced PLCs	C	1.5	1.5	1.5	1.5																								
EA162	Transducer Applications	C	1	1	1	1																								
EA918	Control/Electrical Calculations 1	R	1	1	1	1																								
NCS017	Writing Technical Documents	C	0.5	0.5	0.5	0.5																								
EA140	Power Systems Analysis	C	1																						1	1	1	1	1	
EA153	Electrical Distribution 1	C	1																						1	1	1	1	1	
EA929	SCADA Systems	C	1				1	1	1	1	1																			
NE064	Variable Speed Drives	C	2								2	2	2	2	2															
NI210	Transmitters & Converters	C	1				1	1	1	1	1																			
NUE042	Introduction to Renewable Energy Technologies	C	1.5																											
NUE043	Power Electronics for Renewable Energy	C	0.5																											
NUEH01	Explosion-protection Principles	C	0.25												0.25	0.25	0.25	0.25	0.25	0.25	0.25									
NUEH02	Explosion-protected Equipment	C	1												1	1	1	1	1	1	1									
NUEH05	Overhaul & Repair	C	1												1	1	1	1	1	1	1									
NUEH06	Equipment Modify Design	C	1																		1									
NUEH12	Explosion-protected Equipment Conformity Assessment	N	1												1															
NEWP303B	Undertake Commissioning of Apparatus & Systems' Circuits (Electrical) WP	N	~	WP																										
NEWP404B	Assess Electrical/Electronic Apparatus (Electrical) WP	N	~		WP																									
NEWP407^	Assess Explosion-Protected Equipment for Conformance with Standards (Electrical) WP	N	~												WP															
NEWP503B	Diagnose & Rectify Faults in Apparatus & Systems' Circuits (Electrical) WP	N	~			WP																								
NEWP604B	Co-ordinate & Manage Commissioning Processes (Electrical) WP	N	~				WP				WP					WP								WP						
NEWP605B	Co-ordinate & Manage Routine Maintenance (Electrical) WP	N	~					WP				WP					WP									WP				
NEWP606B	Co-ordinate & Manage Installation Projects (Electrical) WP	N	~						WP									WP										WP		
NEWP701B	Redesign & Develop Modifications to Apparatus & Systems' Circuits (Electrical) WP	N	~							WP									WP						WP					
NEWP705^	Design & Develop Modifications to Explosion-Protected Equipment (Electrical) WP	N	~																		WP									

Please see page titled "Notes to Matricies"