

Electrotechnology Qualifications
Advanced Diploma - Electronic Engineering (UTE 6 03 99)

Modules				Core Units			Specialisation											
				NES304C	NES406C	NES504C	Analogue & Digital				Communication				Medical Equipment			
Nat. Code	Title		Dur				Optional Unit NES602C	Optional Unit NES603C	Optional Unit NES702C		Optional Unit NES602C	Optional Unit NES603C	Optional Unit NES702C		Optional Unit NES602C	Optional Unit NES603C	Optional Unit NES702C	
EA001	Calculus	C	1	1	1	1												
EB070	Engineering Management	C	1	1	1	1												
EA910	Electrical Control "C" Programming	C	1				1	1	1	1								
EB100	Analogue Electronics 3	C	1				1	1	1	1								
EB101	Analogue Electronics 4	C	1				1	1	1	1								
EB121	Analysis & Design Project	C	2				2	2	2	2								
EB161	Advanced Power Supplies	C	1				1	1	1	1								
EB163	Circuit Analysis 2	C	0.5				0.5	0.5	0.5	0.5								
EB164	Transmission Lines 1	C	1								1	1	1	1				
EB165	Transmission Lines 2	C	1								1	1	1	1				
EB166	RF Principles	C	1								1	1	1	1				
EB167	RF Amplifiers	C	1								1	1	1	1				
EB168	Transmitters & Receivers	C	1								1	1	1	1				
EB169	Antenna Systems	C	1								1	1	1	1				
EB170	Microwave Systems	C	1								1	1	1	1				
EB171	Microwave Devices	C	1								1	1	1	1				
EB172	Satellite Communications	C	1								1	1	1	1				
EB173	Digital Radio	C	1								1	1	1	1				
EB174	Communication Measurements & Techniques	C	1								1	1	1	1				
EB177	Microprocessor Applications 1	C	1				1	1	1	1								
EB178	Microprocessor Applications 2	C	1				1	1	1	1								
EB180	Digital Design 1	C	1				1	1	1	1								
EB181	Digital Design 2	C	1				1	1	1	1								
EB182	Digital Signal Processing 1	C	1				1	1	1	1								
EB183	Digital Signal Processing 2	C	1				1	1	1	1								
EB197	Electronic Software Tools	C	0.5				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
NUE156	Frequency Selective Amplifiers	N	0.5												0.5	0.5	0.5	0.5
NUE910	Basic Principles of Anatomy & Physiology	N	1.5												1.5	1.5	1.5	1.5
NUE911	Electrophysiology	N	2												2	2	2	2

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Nat. Code	Title		Dur													
NUE912	Microbiology of Infection Control	N	0.5										0.5	0.5	0.5	0.5
NUE913	Biomedical Electronics	N	1										1	1	1	1
NUE914	Biomedical Mechanics	N	1										1	1	1	1
NUE915	Common Medical Equipment 1	N	1.5										1.5	1.5	1.5	1.5
NUE916	Common Medical Equipment 2	N	1.5										1.5	1.5	1.5	1.5
NUE917	Common Medical Equipment 3	N	1.5										1.5	1.5	1.5	1.5
NUE918	Medical Imaging Systems	N	1										1	1	1	1
NUE919	Cardiac Technology	N	0.5										0.5	0.5	0.5	0.5
NUE920	Advanced Anaesthesia, Monitoring & Gases	N	0.5										0.5	0.5	0.5	0.5
NUE953	Communication Engineering Project	C	1.5						1.5	1.5	1.5	1.5				
NEWP304C	Undertake Commissioning Of Advanced Systems & Associated Apparatus (<i>Electronics</i>) WP	N	~	WP												
NEWP406C	Develop Complex Testing & Evaluation Procedures (<i>Electronics</i>) WP	N	~		WP											
NEWP504C	Diagnose & Rectify Faults in Advanced Systems & Associated Apparatus (<i>Electronics</i>) WP	N	~			WP										
NEWP602C	Develop Commissioning Programs for Apparatus & Associated Circuits (<i>Electronics</i>) WP	N	~				WP			WP				WP		
NEWP603C	Develop Maintenance Programs for Apparatus & Associated Circuits (<i>Electronics</i>) WP	N	~					WP			WP				WP	
NEWP702C	Design Electrical/Electronic Apparatus & Systems (<i>Electronics</i>) WP	N	~									WP				WP

Please see page titled "Notes to Matricies"