**Electronic & Communication Engineering** 

Prog.	Year	Course	Course Name	Prerequisites	Category						
	<u> </u>	Code			X	Y	Z	M	J	K	1
	1	MPZ3231	Engineering Mathematics IA	None			6				
		MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3				
		MEX3211	Communicating Engineering Information	None	6						
		MEX3212	Basic Thermo Fluids	None	6						
		ECX3210	Electro Techniques	MPZ3231(CR)	6						
		ECX3150	Electronics I	ECX3210 (CR)	3						Ī
		ECX 3233	Communication & IT	ECX3210(CR)	6						Ī
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log	2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6				
echnc		ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
n T		ECX 3232	Electrical Power	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						Ī
oma ii		ECX4150	Electronics II	ECX3210(EL),ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3						
Higher Diploma in Technology		ECX4230	Fault Diagnosis in Electronic Circuits	ECX3210(P),ECX3150(EL), ECX4150(CR), ECX3231(CR), MEX3211(P), MPZ3231(EL), MPZ3132 (EL)	6						
Hig		ECX4233	Communications	ECX3210(P), MPZ3231(P), MPZ3132(EL), ECX3233(EL), MEX3211(P)	6						
0		ECX4236	Microprocessors and Interfacing	ECX3210(P), MPZ3231(P), MEX3211(P), [(ECX3233(EL) and {ECX3150(EL) and ECX4150(CR)}) or ECX3234(EL) or MEX3272(EL)]	6						
		MEX4243	Control Systems Engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or	6						İ
				MEX3235(P), MEX3211(P), MPZ3231(P),							
	24:	12	(contact Trabage Pintons in Trab	MPZ3132(P) and pass in further 18 credits	601	0	0	0	0	0	
	Mini	mum credi	ts for the Higher Diploma in Tech	MPZ3132(P) and pass in further 18 credits	601	0	9	0	0	0	
(8)		,		MPZ3132(P) and pass in further 18 credits mology 90	601	0		0	0	0	
(8)	Mini 3	MPZ5230 ECX5233	Engineering Mathematics III Communication Theory &	MPZ3132(P) and pass in further 18 credits mology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) ECX3233(P), MPZ3132(P), MPZ3231(P),	601	0	6	0	0	0	
		MPZ5230	Engineering Mathematics III	MPZ3132(P) and pass in further 18 credits mology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL) ECX3233(P), MPZ3231(P), MPZ3132(P),		0		0	0	0	
Higher I		MPZ5230 ECX5233	Engineering Mathematics III Communication Theory & Systems	MPZ3132(P) and pass in further 18 credits mology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3150(P), ECX4150(EL), MPZ3132(P),	6	0		0	0	0	
		MPZ5230 ECX5233 ECX5234	Engineering Mathematics III Communication Theory & Systems Data Communications Physical & Opto electronics	MPZ3132(P) and pass in further 18 credits nology 90  MPZ3231(P),MPZ3132(P),MPZ4230(EL) ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)	6	0		0	0	0	
		MPZ5230 ECX5233 ECX5234 ECX5243	Engineering Mathematics III Communication Theory & Systems Data Communications	MPZ3132(P) and pass in further 18 credits mology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3150(P), ECX4150(EL), MPZ3132(P),	6 6	0		0	0	0	
		MPZ5230 ECX5233 ECX5234 ECX5243	Engineering Mathematics III Communication Theory & Systems Data Communications Physical & Opto electronics	MPZ3132(P) and pass in further 18 credits nology 90  MPZ3231(P),MPZ3132(P),MPZ4230(EL) ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)	6 6	0		0	0	0	
	3	MPZ5230 ECX5233 ECX5234 ECX5243 ECX6241	Engineering Mathematics III Communication Theory & Systems Data Communications Physical & Opto electronics Field theory	MPZ3132(P) and pass in further 18 credits  nology 90  MPZ3231(P),MPZ3132(P),MPZ4230(EL)  ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)  ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)  ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)  MPZ4230(P), MPZ5230(CR)  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or	6 6	0		0	0	0	
	3	MPZ5230 ECX5233 ECX5234 ECX5243 ECX6241	Engineering Mathematics III Communication Theory & Systems Data Communications Physical & Opto electronics Field theory  Digital Electronic systems	MPZ3132(P) and pass in further 18 credits  mology 90  MPZ3231(P),MPZ3132(P),MPZ4230(EL)  ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)  ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)  ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)  MPZ4230(P), MPZ5230(CR)  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]  ECX3150(P),ECX4150 (P), MPZ3231(P),	6 6 6	0		0	0	0	
	3	MPZ5230 ECX5233 ECX5234 ECX5243 ECX6241 ECX6151	Engineering Mathematics III Communication Theory & Systems Data Communications Physical & Opto electronics Field theory  Digital Electronic systems  Analogue Electronic systems  Microwave engineering & applications	MPZ3132(P) and pass in further 18 credits  mology 90  MPZ3231(P),MPZ3132(P),MPZ4230(EL)  ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)  ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)  ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)  MPZ4230(P), MPZ5230(CR)  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4230(EL)  MPZ4230(P), MEX3211(P), ECX4230(EL)  MPZ4230(P), MPZ5230(EL), ECX4233(P),	6 6 6	0		0	0	0	
68	3	MPZ5230 ECX5233 ECX5234 ECX5243 ECX6241 ECX6151 ECX6250 ECX6243	Engineering Mathematics III Communication Theory & Systems Data Communications Physical & Opto electronics Field theory  Digital Electronic systems  Analogue Electronic systems  Microwave engineering & applications	MPZ3132(P) and pass in further 18 credits  mology 90  MPZ3231(P),MPZ3132(P),MPZ4230(EL)  ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)  ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)  ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)  MPZ4230(P), MPZ5230(CR)  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4230(EL)  MPZ4230(P), MEX3211(P), ECX4230(EL)  MPZ4230(P), MPZ5230(EL), ECX4233(P),	6 6 6	15		0	0	0	
	3	MPZ5230 ECX5233 ECX5234 ECX5243 ECX6241 ECX6151 ECX6250 ECX6243 Select only	Engineering Mathematics III Communication Theory & Systems Data Communications  Physical & Opto electronics  Field theory  Digital Electronic systems  Analogue Electronic systems  Microwave engineering & applications  one Individual project - Type B	MPZ3132(P) and pass in further 18 credits  mology 90  MPZ3231(P),MPZ3132(P),MPZ4230(EL)  ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)  ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)  ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)  MPZ4230(P), MPZ5230(CR)  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4230(EL)  MPZ4230(P), MEX3211(P), ECX4230(EL)  MPZ4230(P), MPZ5230(EL), ECX4233(P), ECX6241(EL)  Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above	6 6 6			0	0	0	
	3	MPZ5230 ECX5233 ECX5234 ECX5243 ECX6241 ECX6151 ECX6250 ECX6243 Select only	Engineering Mathematics III Communication Theory & Systems Data Communications  Physical & Opto electronics  Field theory  Digital Electronic systems  Analogue Electronic systems  Microwave engineering & applications  one Individual project - Type B (Computer, Electrical, Electronic	MPZ3132(P) and pass in further 18 credits  mology 90  MPZ3231(P),MPZ3132(P),MPZ4230(EL)  ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)  ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)  ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)  MPZ4230(P), MPZ5230(CR)  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]  ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4230(EL)  MPZ4230(P), MEX3211(P), ECX4230(EL)  MPZ4230(P), MPZ5230(EL), ECX4233(P), ECX6241(EL)  Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18	6 6 6		6	0	0	0	

 $<sup>^1\,60</sup>$  credits of which at least 18 at level 4 or above  $^2$  subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

<sup>&</sup>lt;sup>3</sup> subjected to a minimum of 45 at level 6 <sup>4</sup> subjected to a minimum of 6 at level 6 <sup>5</sup> subjected to a minimum of 84 at levels 5 and 6, of which at least 36 from level 6 \* For the Higher Diploma this could be replaced with equal number of credits at Level 4 or above.