Civil Engineering

Prog.	Year	Course	Course Name	Prerequisites			Cat	ego	ry		
		Code		-	X	Y	Z			K	Ι
	1	MPZ3231	Engineering Mathematics IA	None			6				
		MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3				
		ECX3210	Electro Techniques	MPZ3231(CR)	6						
		MEX3211	Communicating Engineering	None	6						
			Information								
g	1	MEX3212	Basic thermo fluids	None	6						
lol		CEX3230	Construction Materials	None	6						
Higher Diploma in Technology		CEX3231	Structural Analysis and Design I	MEX3211(CR), CEX3230(CR), CEX3234(CR)	6						
E.		CEX3234	Strength of Materials	MPZ3231(CR)	6						
ma		1			1	,					
olc	2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6				
Dip		CEX3232	Hydraulics & Hydrology	MEX3212(EL), MPZ3231(EL)	6						
er		CEX3233	Surveying I	MEX3211(EL)	6						
High		CEX4230	Soil Mechanics & Introduction to Rock Mechanics	CEX3232(CR), CEX3234(P)	6						
9		CEX4231	Structural Analysis and Design II	MPZ3231(P), MEX3211(P), CEX3230(P), CEX3234(P), CEX3231(EL),	6						
		CEX4232	Construction Engineering & Planning	CEX3230(P), MEX3211(P), MPZ3231(P) ECX3210(P)	6						
			ts for the Higher Diploma in Techno		60 ¹	0	9	0	0	0	(
	Mini	mum crean	is for the firstict Diploma in recinio								
	Mini	imum crean	is for the Trigher Diploma in Techno	105,							
	Mini	MPZ5230		MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6				
		T	Engineering Mathematics III Surveying II	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P),	6		6				
		MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^			6				
		MPZ5230 CEX5230	Engineering Mathematics III Surveying II Mechanics of Fluids	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR)	6		6				
8		MPZ5230 CEX5230 CEX5231	Engineering Mathematics III Surveying II	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR)	6		6				
		MPZ5230 CEX5230 CEX5231 CEX5232	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL)	6 6		6				
. v.		MPZ5230 CEX5230 CEX5231 CEX5232 CEX5233	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR)	6 6 6		6				
		MPZ5230 CEX5230 CEX5231 CEX5232 CEX5233 CEX6230	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4230(P),CEX5232(CR)	6 6 6		6				
	3	MPZ5230 CEX5230 CEX5231 CEX5232 CEX5233	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL)	6 6 6 6		6				
	3	MPZ5230 CEX5230 CEX5231 CEX5232 CEX5233 CEX6230	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics Construction Engineering &	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4230(P),CEX5232(CR)	6 6 6 6		6				
	3	MPZ5230 CEX5230 CEX5231 CEX5232 CEX5233 CEX6230	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics Construction Engineering & Management	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4230(P),CEX5232(CR) CEX4231(P), CEX4232(P)	6 6 6 6		6				
Dataciol of reciniology frontoms in En	3	MPZ5230 CEX5230 CEX5231 CEX5232 CEX5233 CEX6230 CEX6331 CEX6332 CEX6332	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics Construction Engineering & Management Structural Design Environmental Engineering	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4230(P),CEX5232(CR) CEX4231(P), CEX4232(P) CEX4231(P), CEX5233(EL)	6 6 6 6 9 9		6				
pacification of recuirongly from an En	3	MPZ5230 CEX5230 CEX5231 CEX5232 CEX5233 CEX6230 CEX6331	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics Construction Engineering & Management Structural Design Environmental Engineering	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3231(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4230(P),CEX5232(CR) CEX4231(P), CEX4232(P) CEX4231(P), CEX4230(EL), CEX4232(EL) Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at	6 6 6 6 9 9	15	6				
Dathelot of reciniology from En	3	MPZ5230 CEX5231 CEX5231 CEX5232 CEX5233 CEX6230 CEX6331 CEX6332 CEX6233 Select one	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics Construction Engineering & Management Structural Design Environmental Engineering	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4231(P), CEX5232(CR) CEX4231(P), CEX5233(EL) CEX4231(P), CEX4230(EL), CEX4232(EL) Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above & Eligibility in 18 credits at	6 6 6 6 9 9	15	6				
(Google State Stat	3	MPZ5230 CEX5231 CEX5232 CEX5233 CEX6230 CEX6331 CEX6332 CEX6233 Select one CEY6595	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics Construction Engineering & Management Structural Design Environmental Engineering from: Individual Project – Type B (Civil)	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4231(P), CEX5232(CR) CEX4231(P), CEX5233(EL) CEX4231(P), CEX4230(EL), CEX4232(EL) Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above Pass in 18 credits in X category at Level 5	6 6 6 6 9 9		6				
(6)	3	MPZ5230 CEX5231 CEX5231 CEX5232 CEX5233 CEX6230 CEX6331 CEX6332 CEX6233 Select one CEY6595	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics Construction Engineering & Management Structural Design Environmental Engineering from: Individual Project – Type B (Civil)	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4230(P),CEX5232(CR) CEX4231(P), CEX4232(P) CEX4231(P), CEX4232(P) CEX4231(P), CEX4230(EL), CEX4232(EL) Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above & Eligibility in 18 credits at level 5 or above & Eligibility in 18 credits at level 5 or above & Eligibility in 18 credits at level 5 or above	6 6 6 6 9 9	12	6				
The control (900) and the control of	3	MPZ5230 CEX5231 CEX5231 CEX5232 CEX5233 CEX6230 CEX6331 CEX6332 CEX6233 Select one CEY6595	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics Construction Engineering & Management Structural Design Environmental Engineering from: Individual Project - Type B (Civil) Group Project (Civil) Project Identification & literature survey	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4230(P),CEX5232(CR) CEX4231(P), CEX4232(P) CEX4231(P), CEX4232(P) CEX4231(P), CEX4230(EL), CEX4232(EL) Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above & Eligibility in 18 credits at level 5 or above & Eligibility in 18 credits at level 5 or above Pass in 18 credits at Level 5 or above Pass in 9 credits at Level 5 or above in X	6 6 6 6 9 9	12	6				
Dacherol of Technology Mondows III Engineering Degree High	3	MPZ5230 CEX5231 CEX5231 CEX5232 CEX5233 CEX6230 CEX6331 CEX6332 CEX6233 Select one CEY6595	Engineering Mathematics III Surveying II Mechanics of Fluids Engineering Geology Structural Analysis Geo-technics Construction Engineering & Management Structural Design Environmental Engineering from: Individual Project - Type B (Civil) Group Project (Civil) Project Identification & literature survey	MPZ3231(P),MPZ3132(P),MPZ4230(EL) MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^ CEX3232(P), MEX3212(P), MPZ5230(CR) CEX3230(P), CEX4230(CR) CEX3231(P), CEX4231(EL) CEX4230(P),CEX5232(CR) CEX4231(P), CEX4232(P) CEX4231(P), CEX4232(P) CEX4231(P), CEX4230(EL), CEX4232(EL) Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above & Eligibility in 18 credits at level 5 or above & Eligibility in 18 credits at level 5 or above Pass in 9 credits at Level 5 or above in X category	6 6 6 6 9 9	12	6				

 $^{^{\}rm 1}\,60$ credits of which at least 18 at level 4 or above

 $^{^{\}rm 2}$ subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

³ subjected to a minimum of 12 at level 6

⁴ subjected to a minimum of 12 at level 6
5 subjected to a minimum of 6 at level 5
* For the Higher Diploma this could be replaced with equal number of credits at Level 4 or above.

Computer Engineering

rog.	Year	Course	Course Name	Prerequisites			Cat	ego	ry		
		Code			X	Y	Z	M	J	K	L
	1	MPZ3231	Engineering Mathematics IA	None			6				L
		MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3				ļ
		MPZ4140	Discrete Mathematics I	None			3				l
		MEX3211	Communicating Engineering	None	6						
			Information								ļ
		MEX3212	Basic Thermo Fluids	None	6						ļ
		ECX3150	Electronics I	ECX3210 (CR)	3						
ogs		ECX3210	Electro Techniques	MPZ3231(CR)	6						
lou		ECX 3233	Communication & IT	ECX3210(CR)	6						
Ch.		1			1						
Te	2	MPZ4230	Engineering Mathematics II	MPZ3231(EL), MPZ3132(EL)			6				
ma in		ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
plo		ECX 3232	Electrical Power	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
Higher Diploma in Technology		ECX4150	Electronics II	ECX3210(EL),ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3						
High		ECX4235	Data Structures and Algorithms	ECX3233(CR), MPZ3231(EL), MPZ4140(CR), MEX3211(P)	6						
		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						
1			C (t E : :		6						
		ECX4247	Software Engineering	ECX3233(EL), MEX3211(P), MPZ3231(EL), ECX4235(CR)	0						
	Mini		ts for the Higher Diploma in Tech	ECX4235(CR)	601	0	9	0	0	0	
	Mini		ts for the Higher Diploma in Tech	ECX4235(CR)		0	9	0	0	0	
	Mini 3			ECX4235(CR)		0	6	0	0	0	
		mum credit	ts for the Higher Diploma in Tech	ECX4235(CR) nology 90		0		0	0	0	
		mum credit	s for the Higher Diploma in Tech	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL)		0	6	0	0	0	
Higher		mum credit MPZ5230 MPZ5140	Engineering Mathematics III Discrete Mathematics II	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) MPZ4140(EL) ECX3233(P), MPZ3231(P), MPZ3132(P),	601	0	6	0	0	0	
3		MPZ5230 MPZ5140 ECX5234	Engineering Mathematics III Discrete Mathematics II Data Communications	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) MPZ4140(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL),	601	0	6	0	0	0	
		MPZ5230 MPZ5140 ECX5234 ECX5235	Engineering Mathematics III Discrete Mathematics II Data Communications Operating systems Computer Architecture	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) MPZ4140(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR) ECX3233(P), MPZ3231(P), MPZ3132(P),	6 6	0	6	0	0	0	
		MPZ5230 MPZ5140 ECX5234 ECX5235	Engineering Mathematics III Discrete Mathematics II Data Communications Operating systems	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) MPZ4140(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR) ECX3233(P), MPZ3231(P), MPZ3132(P),	6 6	0	6	0	0	0	
	3	MPZ5230 MPZ5140 ECX5234 ECX5235	Engineering Mathematics III Discrete Mathematics II Data Communications Operating systems Computer Architecture	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) MPZ4140(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4236(EL) ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or	601	0	6	0	0	0	
	3	MPZ5230 MPZ5140 ECX5234 ECX5235 ECX5236	Engineering Mathematics III Discrete Mathematics II Data Communications Operating systems Computer Architecture Digital Electronic systems	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) MPZ4140(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4236(EL) ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)] ECX4235(P), ECX5235(EL), ECX5236(EL),	601	0	6	0	0	0	
	3	MPZ5230 MPZ5140 ECX5234 ECX5235 ECX5236	Engineering Mathematics III Discrete Mathematics II Data Communications Operating systems Computer Architecture Digital Electronic systems Compiler Design Processor design	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) MPZ4140(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4236(EL) ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)] ECX4235(P), ECX5235(EL), ECX5236(EL), MPZ4140(P), MPZ5140(EL) ECX3233(P), ECX4236(P), ECX5236(EL),	601	0	6	0	0	0	
	3	MPZ5230 MPZ5140 ECX5234 ECX5235 ECX6151 ECX6235 ECX6236	Engineering Mathematics III Discrete Mathematics III Data Communications Operating systems Computer Architecture Digital Electronic systems Compiler Design Processor design I one Individual project – Type B (Computer, Electrical, Electronic	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) MPZ4140(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4236(EL) ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)] ECX4235(P), ECX5235(EL), ECX5236(EL), MPZ4140(P), MPZ5140(EL) ECX3233(P), ECX4236(P), ECX5236(EL), ECX6151(CR) Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18	601	15	6	0	0	0	
	3	MPZ5230 MPZ5140 ECX5234 ECX5235 ECX6151 ECX6235 ECX6236	Engineering Mathematics III Discrete Mathematics II Data Communications Operating systems Computer Architecture Digital Electronic systems Compiler Design Processor design one Individual project – Type B	ECX4235(CR) nology 90 MPZ3231(P),MPZ3132(P),MPZ4230(EL) MPZ4140(EL) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR) ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4236(EL) ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)] ECX4235(P), ECX5235(EL), ECX5236(EL), MPZ4140(P), MPZ5140(EL) ECX3233(P), ECX4236(P), ECX5236(EL), ECX6151(CR) Pass in 18 credits at Level 5 or above from X	601		6	0	0	0	

 $^{^1\,60}$ 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

² subjected to a minimum of 45 at levels 5 and 6, of which at least 16 at level 6
³ subjected to a minimum of 12 at level 6
⁴ subjected to a minimum of 6 at level 6
⁵ 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.

Electrical Engineering

Pr	og.	Year	Course	Course Name	Prerequisites				ego	ry		
			Code			X	Y	Z	M	J	K	L
		1	MPZ3231	Engineering Mathematics IA	None			6				
			MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3				
			MEX3211	Communicating Engineering Information	None	6						
			MEX3235	Thermo Fluids	None	6						
			ECX3150	Electronics I	ECX3210 (CR)	3						
			ECX3210	Electro Techniques	MPZ3231(CR)	6						
			ECX 3233	Communication & IT	ECX3210(CR)	6						
	55											
	golo	2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6				
	echnc		ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
ee	a in T		ECX4150	Electronics II	ECX3210(EL),ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3						
Degr	iplom		ECX4234	Electrical installations	[ECX3210(P), MEX3211(P), ECX3232(CR)] or [ECX3210(P), MEX3211(P), ECX4252(CR)]	6						
Bachelor of Technology Honours in Engineering Degree	Higher Diploma in Technology		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						
rs in E			ECX4248	Electrical machines	ECX3210(P), MPZ3231(P), MPZ3132(EL), MEX3211(P), ECX4252(CR)	6						
lonou			ECX4252	Power systems I	ECX3210(P), MPZ3231(P), MPZ3132(EL), MEX3211(P)	6						
nology F			MEX4243	Control Systems Engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or MEX3235(P), MEX3211(P), MPZ3231(P), MPZ3132(P) and pass in further 18 credits	6						
ech		Mini	mum credit	s for the Higher Diploma in Tech	\	60 ¹	0	9	0	0	0	0
ΙJ					w.							
ı o		3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6				
achelc			ECX5231	Network theory	MPZ3132(P), MPZ3231(P) ECX3231(P), MEX3211(P), MPZ4230(EL)	6						
В			ECX5238	High voltage engineering & electrical machines	MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4248(EL), ECX4252(EL)	6						
			ECX5332	Power systems II	MPZ3231(P), MPZ3132(P), ECX3210(P), MEX3211(P), ECX4252(EL), ECX4248(EL)	9						
		4	ECX6241	Field theory	MPZ4230(P), MPZ5230(CR)	6						
			ECX6332	Power systems planning	ECX4252(P), MEX4243(EL), ECX5332(EL)	9						
	l		Select only			1				, ,		
			ECY6595	Individual project – Type B	Pass in 18 credits at Level 5 or above from X		15					
					1t		1	Ī	i			
				(Computer, Electrical, Electronic and Communication)	category and Eligibility in additional 18 credits at Level 5 or above							
			ECY6496				12					

 $^{^{\}rm 1}\,60$ 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 $\,$

³ subjected to a minimum of 12 at level 6

⁴ subjected to a minimum of 6 at level 6

⁵ 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.

Flectronic & Communication Engineering

	Year	Course	Course Name	Prerequisites		_		ego			
		Code			X	Y	Z	M	J	K]
	1	MPZ3231	Engineering Mathematics IA	None			6				
		MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3				L
		MEX3211	Communicating Engineering Information	None	6						
		MEX3212	Basic Thermo Fluids	None	6						
		ECX3210	Electro Techniques	MPZ3231(CR)	6						
		ECX3150	Electronics I	ECX3210 (CR)	3						
		ECX 3233	Communication & IT	ECX3210(CR)	6						
<u>g</u>					1						Ļ
olo	2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6				L
Lechn		ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
li.		ECX 3232	Electrical Power	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
oma i		ECX4150	Electronics II	ECX3210(EL),ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3						
g Degree 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						
ıı Engineer		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						
onoms		MEX4243	Control Systems Engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or MEX3235(P), MEX3211(P), MPZ3231(P), MPZ3132(P) and pass in further 18 credits	6						
ngy □	Mini	mum credi	ts for the Higher Diploma in Tech		60 ¹	0	9	0	0	0	l
	3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6	1			Г
5	_	ECX5233	Communication Theory & Systems	ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)	6						
ונו		ECA3233									t
פוסו חו זפנ		ECX5234	Data Communications	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)	6						
Datheror of Technology monours in Engineering Degree			J	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3150(P), ECX4150(EL), MPZ3132(P),	6						
Dacinelor of Lec		ECX5234	Data Communications	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)							_
Dacheror of Tec		ECX5234 ECX5243	Data Communications Physical & Opto electronics	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)	6						
מכוופוחו חו דפר	4	ECX5234 ECX5243	Data Communications Physical & Opto electronics	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P) ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)	6						
מכוופוסו סד זיפר	4	ECX5234 ECX5243 ECX6241	Data Communications Physical & Opto electronics Field theory	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						
מבוובוחו חד זבנ	4	ECX5234 ECX5243 ECX6241 ECX6151	Data Communications Physical & Opto electronics Field theory Digital Electronic systems	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						
מעובוסו סו זפג	4	ECX5234 ECX5243 ECX6241 ECX6151 ECX6250	Data Communications Physical & Opto electronics Field theory Digital Electronic systems Analogue Electronic systems Microwave engineering & applications	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						
Dachelol of Lec	4	ECX5234 ECX5243 ECX6241 ECX6151 ECX6250 ECX6243	Data Communications Physical & Opto electronics Field theory Digital Electronic systems Analogue Electronic systems Microwave engineering & applications	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	6 6	15					
מעובות מו זכר	4	ECX5234 ECX5243 ECX6241 ECX6151 ECX6250 ECX6243 Select only	Data Communications Physical & Opto electronics Field theory Digital Electronic systems Analogue Electronic systems Microwave engineering & applications one Individual project – Type B	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)	6 6	15					
DACHEIOL OL LE	4	ECX5234 ECX5243 ECX6241 ECX6151 ECX6250 ECX6243 Select only	Data Communications Physical & Opto electronics Field theory Digital Electronic systems Analogue Electronic systems Microwave engineering & applications one Individual project – Type B (Computer, Electronic	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	15					

 $^{^1\,60}$ 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

³ subjected to a minimum of 45 at level 6
⁴ subjected to a minimum of 6 at level 6
⁵ subjected to a minimum of 84 at level 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.

Mechanical Engineering

Prog.	Year	Course	Course Name	Prerequisites			Cat		y	
		Code			X	Y	Z	M	J	K
	1	MPZ3231	Engineering Mathematics IA	None			6			
		MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3			
		ECX3210	Electro Techniques	MPZ3231(CR)	6					
		MEX3211	Communicating Engineering Information	None	6					
		MEX3233	Workshop technology	None	6					
		MEX3234	Engineering drawing	MEX3211(CR)	6					
53		MEX3235	Thermo-fluids	None	6					
log		MEX3274	Electronics, sensors and actuators	ECX3210(CR)	6					_
hnc		,								
[ec	2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6			
l l		MEX4275	Strength of Materials I	MPZ3231(EL)	6					
na j		MEX4276	Mechanics of Machines	MPZ3231(EL)	6					
lon		MEX4233	Materials Engineering	MEX4275(CR)	6					_
Jip		ECX4236	Microprocessors & Interfacing	ECX3210(P), MPZ3231(P), MEX3211(P),	6					
Higher Diploma in Technology		LCX11200	and optocossors & meriating	{[ECX3233(EL) and ECX3230(EL)] or ECX3234(EL) or MEX3272(EL)} or MEX3274(EL)						
		Minimum	of two from:							
		MEX4230	Production Technology	MEX3233(EL)	6					
		MEX4135	Production Management	MPZ3121(EL)	3					
		MEX4232	Automobile Technology	MEX3235(EL),{ [MEX4275(CR) and MEX4276(CR)]	6					
		MEX4142	Applied Automotive Electronics	MEX4232(CR), MEX3274(EL)	3					
	Mini		s for the Higher Diploma in Techno		60 ¹	0	9	0	0	0
	3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6			
		MEX5231	Applied Thermodynamics	MEX3235(P), MPZ4230(EL)	6					
		MEX5232	Strength of Materials II	[MEX4275(EL), MPZ4230(EL)	6					
		MEX5233	Dynamics of Mechanical Systems	[MEX4276(EL), MPZ4230(EL)	6					
		MEX5277	Machine Design	{[MEX4275(EL) and MEX4276(EL)] or MEX4335(EL)} and [MEX3274(EL) or MEX4271(EL)]	6					
	_	L			l .		ı			
	4	MEX6240	Industrial Engineering	MPZ4230(P)	6					
		MEX6278	Fluid Mechanics	MEX3235(P), MPZ4230(P)	6					
		Select one	1							
		MEY6595	Individual Project Type B	Pass in 18 credits in X category at Level 5 or above		15				
		MEY6496	Group Project	Pass in 18 credits in X category at Level 5 or above		12				
		MEY6197	Project Identification & literature survey	Pass in 9 credits at Level 5 or above		3				
		MEY6498		and						
			Individual Project Type A	MEY6197(CR)		12				
			of two from:							
		MEX6231	Automobile Engineering	MEX4232(P), MPZ4230(P)	6					
		MEX6232	Vehicle Dynamics	MEX4232(P), MPZ4230(P), MEX5232(EL)	6					
		MEX6230	Mechanics of Materials	MPZ4230(P), MEX5232(EL)	6					
		MEX6234	Advanced Manufacturing Technology	MPZ4230(P), MEX4230(P)	6					
		MEX6235	Thermal Power Generation	MPZ4230(P), MEX3235(P)	6				[_
		MEX6236	New and Renewable Sources of Energy	MPZ4230(P), MEX3235(P)	6					
		MEX6270	Factory Automation	Pass in 72 Credits in X category	6					
		MEX6271	Robotics	MPZ5230(EL),[MEX3274(P) or	6					_
				MEX4271(P)], MEX5233(EL)	"					
1	1	l		onours in Engineering Degree 177 ⁵	<u> </u>	Η.	_	9	9	+

¹ 60 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 6³ subjected to a minimum of 12 at level 6 ⁴ subjected to a minimum of 6 at level 6 ⁵ subjected to a minimum of 84 at levels 5 nd 6, of which at least 36 from level 6 * For the Higher Diploma could be replaced with equal number of credits at Level 4 or above

Mechatronics Engineering

		Course	Course Name	Prerequisites			Cat	ego	ry	
		Code			X	Y	Z	M	J	K
	1	MPZ3231	Engineering Mathematics IA	None			6			
		MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3			
		ECX3210	Electro Techniques	MPZ3231(CR)	6					
		MEX3211	Communicating Engineering Information	None	6					
		MEX3235	Thermo-fluids	None	6					
		MEX3272	Applied electronics	MPZ3231(CR), ECX3210(CR)	6					
		MEX3273	Modeling of mechatronics systems	MPZ3231(CR), ECX3210(CR)	6					
		MEX3174	Principles of design	None	3					
ogy		MEK3170	C Programming	None						3
lou							-			
Ç	2	MPZ4230	Engineering Mathematics II	MPZ3231(EL), MPZ3132(EL)			6			
in Te		MEX4271	Sensors and actuators	MPZ3231(EL), MEX3272(EL), MEX3273(EL)	6					
oloma		MEX4272	Vibration and fault diagnosis	MPZ3231(EL), MPZ3132(EL), MEX4335(CR)	6					
Higher Diploma in Technology		MEX4273	Mechatronics product design	MEX3273(EL), MEX3174(EL), MEX4271(CR)	6					
Higher Diploma		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	Controls system engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or MEX3235(P), MEX3211(P), MPZ3231(P), MPZ3132(P) and pass in further 18 credits	6					
'		MEX4335	Applied Mechanics & Strength of	MPZ3231(EL)	9					
			Materials				_	_	_	_
	Mini	mum credit	s for the Higher Diploma in Technol	ogy 90	601	0	9	0	0	0
	3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6			
	3	MEX5270	Power electronics & motor drives	MEX3272(P), MEX4271(EL)	6		0			
		MEX5270	Machine vision	MEX4271(EL), MPZ4230(EL)	6					
		MEX5272	Materials & manufacturing technology	MEW3001(P), MEX4335(EL)	6					
		MEX5233	Dynamics of mechanical systems	MEX4275(EL) or MEX4335(EL), MPZ4230(EL)	6					
	4	MEX6270	Factory Automation	Pass in 72 Credits in X category	6					
		MEX6271	Robotics	MPZ5230(EL),[MEX3274(P) or MEX4271(P)], MEX5233(EL)	6					
		MEX6273	Advanced Control Engineering	MPZ5230(EL), MEX4243(P)						
		Select only	one							
		MEY6573		Pass in 18 credits in X category at Level 5 or above		15				
		MEY6474	,	Pass in 18 credits in X category at Level 5 or above		12				

 $^{^{\}rm 1}\,60$ credits of which at least 18 at level 4 or above

 $^{^{\}rm 2}$ subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

³ subjected to a minimum of 12 at level 6

⁴ subjected to a minimum of 6 at level 6
5 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.

Textile and Clothing Engineering

Prog.	Year	Course	Course Name	Prerequisites			Cat	ego	ry	
		Code			X/I	Y	Z	M	J	K
	1	MPZ3231	Engineering Mathematics IA	None			6			
		MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3			
		ECX3210	Electro Techniques	MPZ3231(CR)	6					
		MEX3211	Communicating Engineering Information	None	6					
ology		TTX3239	Garment analysis and sewing machinery	None	6					
chr		TTX3231	Fibre science and technology	None	6					
Te		TTX4260	Woven fabric technology	None	6					
in		TTX3232	Yarn manufacture I	None	6					
mg										
oldi	2	MEX3235	Thermo fluids	None	6					
egree Higher Diploma in Technology		TTI3241	Production planning and organisation	None	6					
Fig.		TTX4232	Textile colouration	None	6					
II.6 LV		TTX4233	Quality assurance for textiles and clothing	None	6					
3		TTX4238	Garment manufacture	ТТХ3239 (EL)	6					
[MEX4276	Mechanics of machines	MPZ3231(EL)	6					
	Mini	mum credit	s for the Higher Diploma in Technol	ogy 90	601	0	9	0	0	0
i 🔲										
3	3	MPZ4230	Engineering Mathematics II	MPZ3231(EL), MPZ3132(EL)			6			
Davietor of reciniology floribules in Engineering Degree		MEX4243	Control systems engineering	MPZ4230(CR), ECX3210(P), MEX3212(P) or MEX3235(P), MEX3211(P), MPZ3231(P), MPZ3132(P) and pass in further 18 credits	6					
		TTX5262	Knitting technology	None	6					
3		TTX5232	Yarn & fabric mechanics	MPZ3231(EL), TTX3232(P), TTX4260(P)	6					
:		TTX5234	Plant utilities	None	6					
3		TTX5260	Pattern development	None	6					
Jacinen		TTM5361	Textile management and merchandising	None				9		
- 1		MPZ5230	Engineering mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6	l		
1	1						U			
-	4								-	
	4	Select only TTY6595		Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or		15				
	4	Select only	one Individual project -Type B (Textile	Eligibility of 39 credits at level 5 or		15 12				
	4	Select only TTY6595	Individual project -Type B (Textile and Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above Eligibility of 39 credits at level 5 or						
	4	Select only TTY6595	Individual project -Type B (Textile and Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above Pass in 9 credits at Level 5 or above						
	4	Select only TTY6595 TTY6496	one Individual project -Type B (Textile and Apparel) Group project (Textile & Apparel) Project Identification & literature	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above		12				

 $^{^1\,60}$ 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

³ subjected to a minimum of 12 at level 6

⁴ subjected to a minimum of 6 at level 6 ⁵ subjected to a minimum of 84 at levels 5 and 6, of which at least 36 from level 6