Civil Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
		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						
			MEX3212	Basic thermo fluids	None	6						
			CEX3230	Construction Materials	None	6						
			CEX3231	Structural Analysis and Design I	MEX3211(CR), CEX3230(CR), CEX3234(CR)	6						
			CEX3234	Strength of Materials	MPZ3231(CR)	6						
		2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6				
			CEX3232	Hydraulics & Hydrology	MEX3212(EL), MPZ3231(EL)	6						
			CEX3233	Surveying I	MEX3211(EL)	6						
			CEX4230	Soil Mechanics & Introduction to Rock Mechanics	CEX3232(CR), CEX3234(P)	6						
			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						
		Minimum credits for the Higher Diploma in Technology			**90**	**60¹**	**0**	**9**	**0**	**0**	**0**	**0**
		3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6				
			CEX5230	Surveying II	MEX3211(P), CEX3233(P), MPZ3231(P), 18 Cr(P) @ L4^	6						
			CEX5231	Mechanics of Fluids	CEX3232(P), MEX3212(P), MPZ5230(CR)	6						
			CEX5232	Engineering Geology	CEX3230(P), CEX4230(CR)	6						
			CEX5233	Structural Analysis	CEX3231(P), CEX4231(EL)	6						
			CEX6230	Geo-technics	CEX4230(P),CEX5232(CR)	6						
		4	CEX6331	Construction Engineering & Management	CEX4231(P), CEX4232(P)	9						
			CEX6332	Structural Design	CEX4231(P), CEX5233(EL)	9						
			CEX6233	Environmental Engineering	CEX3232(P), CEX4230(EL), CEX4232(EL)	6						
			Select one from:									
			CEY6595	Individual Project – Type B (Civil)	Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above		15					
			CEY6496	Group Project (Civil)	Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above		12					
			CEY6197	Project Identification & literature survey	Pass in 9 credits at Level 5 or above in X category		3					
					and							
			CEY6498	Individual Project – Type A (Civil)	CEY6197(CR), Pass in 18 credits in X category at Level 5 or above & Eligibility in 18 credits at level 5 or above		12					
		Minimum credits for the Bachelor of Technology Honours in Engineering Degree			**177⁵**	**114²**	**12³**	**21⁴**	**9**	**9**	**0**	**0**

Prog. column (spanning, vertical text): Higher Diploma in Technology / Bachelor of Technology Honours in Engineering Degree

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.

Computer Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree — Higher Diploma in Technology	1	MPZ3231	Engineering Mathematics IA	None			6				
		MPZ3132	Engineering Mathematics IB	MPZ3231(CR)			3				
		MPZ4140	Discrete Mathematics I	None			3				
		MEX3211	Communicating Engineering Information	None	6						
		MEX3212	Basic Thermo Fluids	None	6						
		ECX3150	Electronics I	ECX3210 (CR)	3						
		ECX3210	Electro Techniques	MPZ3231(CR)	6						
		ECX 3233	Communication & IT	ECX3210(CR)	6						
	2	MPZ4230	Engineering Mathematics II	MPZ3231(EL), MPZ3132(EL)			6				
		ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
		ECX 3232	Electrical Power	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
		ECX4150	Electronics II	ECX3210(EL),ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3						
		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						
		ECX4247	Software Engineering	ECX3233(EL), MEX3211(P), MPZ3231(EL), ECX4235(CR)	6						
Minimum credits for the Higher Diploma in Technology				**90**	**60[1]**	**0**	**9**	**0**	**0**	**0**	**0**
	3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6				
		MPZ5140	Discrete Mathematics II	MPZ4140(EL)			3				
		ECX5234	Data Communications	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)	6						
		ECX5235	Operating systems	ECX3233(P), MEX3211(P), MPZ4140(EL), MPZ5140(CR), ECX4235(EL), MPZ4230(EL), ECX5236(CR)	6						
		ECX5236	Computer Architecture	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4236(EL)	6						
	4	ECX6151	Digital Electronic systems	ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]	3						
		ECX6235	Compiler Design	ECX4235(P), ECX5235(EL), ECX5236(EL), MPZ4140(P), MPZ5140(EL)	6						
		ECX6236	Processor design	ECX3233(P), ECX4236(P), ECX5236(EL), ECX6151(CR)	6						
		Select only one									
		ECY6595	Individual project – Type B (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		15					
		ECY6496	Group project (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		12					
Minimum credits for the Bachelor of Technology Honours in Engineering Degree				**177 [5]**	**114[2]**	**12[3]**	**21[4]**	**9**	**9**	**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

[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

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree / Higher Diploma in Technology	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						
	2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6				
		ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
		ECX4150	Electronics II	ECX3210(EL),ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3						
		ECX4234	Electrical installations	[ECX3210(P), MEX3211(P), ECX3232(CR)] or [ECX3210(P), MEX3211(P), ECX4252(CR)]	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						
		ECX4248	Electrical machines	ECX3210(P), MPZ3231(P), MPZ3132(EL), MEX3211(P),ECX4252(CR)	6						
		ECX4252	Power systems I	ECX3210(P), MPZ3231(P), MPZ3132(EL), MEX3211(P)	6						
		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						
Minimum credits for the Higher Diploma in Technology				**90**	**60¹**	**0**	**9**	**0**	**0**	**0**	**0**
	3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6				
		ECX5231	Network theory	MPZ3132(P), MPZ3231(P) ECX3231(P), MEX3211(P), MPZ4230(EL)	6						
		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						
		Select only one									
		ECY6595	Individual project – Type B (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		15					
		ECY6496	Group project (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		12					
Minimum credits for the Bachelor of Technology Honours in Engineering Degree				**177 ⁵**	**114²**	**12³**	**21⁴**	**9**	**9**	**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

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.

Electronic & Communication Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					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						
		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						
	2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6				
		ECX 3231	Electrical Circuits & Measurements	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
		ECX 3232	Electrical Power	ECX3210(EL), MPZ3231(EL), MEX3211(EL)	6						
		ECX4150	Electronics II	ECX3210(EL),ECX3150(EL), MPZ3231(EL), MEX3211(EL)	3						
		ECX4230	Fault Diagnosis in Electronic Circuits	ECX3210(P),ECX3150(EL), ECX4150(CR), ECX3231(CR), MEX3211(P), MPZ3231(EL), MPZ3132 (EL)	6						
		ECX4233	Communications	ECX3210(P), MPZ3231(P), MPZ3132(EL), ECX3233(EL), 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						
		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						
Minimum credits for the Higher Diploma in Technology				90	60[1]	0	9	0	0	0	0
	3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6				
		ECX5233	Communication Theory & Systems	ECX3233(P), MPZ3132(P), MPZ3231(P), MEX3211(P), ECX4233(EL), MPZ4230(EL)	6						
		ECX5234	Data Communications	ECX3233(P), MPZ3231(P), MPZ3132(P), MEX3211(P)	6						
		ECX5243	Physical & Opto electronics	ECX3150(P), ECX4150(EL), MPZ3132(P), MEX3211(P), MPZ4230(EL)	6						
		ECX6241	Field theory	MPZ4230(P), MPZ5230(CR)	6						
	4	ECX6151	Digital Electronic systems	ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), [ECX4236(EL) or ECX4230(EL)]	3						
		ECX6250	Analogue Electronic systems	ECX3150(P),ECX4150 (P), MPZ3231(P), MPZ3132(P), MEX3211(P), ECX4230(EL)	6						
		ECX6243	Microwave engineering & applications	MPZ4230(P), MPZ5230(EL), ECX4233(P), ECX6241(EL)	6						
		Select only one									
		ECY6595	Individual project – Type B (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		15					
		ECY6496	Group project (Computer, Electrical, Electronic and Communication)	Pass in 18 credits at Level 5 or above from X category and Eligibility in additional 18 credits at Level 5 or above		12					
Minimum credits for the Bachelor of Technology Honours in Engineering Degree				177 [5]	114[2]	12[3]	21[4]	9	9	0	0

Prog. column (spanning, left side): *Bachelor of Technology Honours in Engineering Degree* / *Higher Diploma in Technology*

[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.

Mechanical Engineering

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree / Higher Diploma in Technology	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						
		MEX3235	Thermo-fluids	None	6						
		MEX3274	Electronics, sensors and actuators	ECX3210(CR)	6						
	2	MPZ4230	Engineering Mathematics II*	MPZ3231(EL), MPZ3132(EL)			6				
		MEX4275	Strength of Materials I	MPZ3231(EL)	6						
		MEX4276	Mechanics of Machines	MPZ3231(EL)	6						
		MEX4233	Materials Engineering	MEX4275(CR)	6						
		ECX4236	Microprocessors & Interfacing	ECX3210(P), MPZ3231(P), MEX3211(P), {[ECX3233(EL) and ECX3230(EL)] or ECX3234(EL) or MEX3272(EL)} or MEX3274(EL)	6						
		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						
Minimum credits for the Higher Diploma in Technology				**90**	**60¹**	**0**	**9**	**0**	**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						
	4	MEX6240	Industrial Engineering	MPZ4230(P)	6						
		MEX6278	Fluid Mechanics	MEX3235(P), MPZ4230(P)	6						
		Select one from:									
		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					
		Minimum 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 MEX4271(P)], MEX5233(EL)	6						
Minimum credits for the Bachelor of Technology Honours in Engineering Degree				**177 ⁵**	**114²**	**12³**	**21⁴**	**9**	**9**	**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 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

Prog.	Year	Course Code	Course Name	Prerequisites	Category						
					X	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree / Higher Diploma in Technology	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						
		MEK3170	C Programming	None						3	
	2	MPZ4230	Engineering Mathematics II	MPZ3231(EL), MPZ3132(EL)			6				
		MEX4271	Sensors and actuators	MPZ3231(EL), MEX3272(EL), MEX3273(EL)	6						
		MEX4272	Vibration and fault diagnosis	MPZ3231(EL), MPZ3132(EL), MEX4335(CR)	6						
		MEX4273	Mechatronics product design	MEX3273(EL), MEX3174(EL), MEX4271(CR)	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						
		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 Materials	MPZ3231(EL)	9						
	Minimum credits for the Higher Diploma in Technology			**90**	60¹	0	9	0	0	0	0
	3	MPZ5230	Engineering Mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6				
		MEX5270	Power electronics & motor drives	MEX3272(P), MEX4271(EL)	6						
		MEX5271	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	Mechatronics Product Design Project (Individual)	Pass in 18 credits in X category at Level 5 or above		15					
		MEY6474	Mechatronics Product Design Project (Group)	Pass in 18 credits in X category at Level 5 or above		12					
	Minimum credits for the Bachelor of Technology Honours in Engineering Degree			**177 ⁵**	114²	12³	21⁴	9	9	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
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 Code	Course Name	Prerequisites	Category X/I	Y	Z	M	J	K	L
Bachelor of Technology Honours in Engineering Degree — Higher Diploma in Technology	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						
		TTX3239	Garment analysis and sewing machinery	None	6						
		TTX3231	Fibre science and technology	None	6						
		TTX4260	Woven fabric technology	None	6						
		TTX3232	Yarn manufacture I	None	6						
	2	MEX3235	Thermo fluids	None	6						
		TTI3241	Production planning and organisation	None	6						
		TTX4232	Textile colouration	None	6						
		TTX4233	Quality assurance for textiles and clothing	None	6						
		TTX4238	Garment manufacture	TTX3239 (EL)	6						
		MEX4276	Mechanics of machines	MPZ3231(EL)	6						
Minimum credits for the Higher Diploma in Technology				**90**	60[1]	0	9	0	0	0	0
	3	MPZ4230	Engineering Mathematics II	MPZ3231(EL), MPZ3132(EL)			6				
		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						
		TTX5232	Yarn & fabric mechanics	MPZ3231(EL), TTX3232(P), TTX4260(P)	6						
		TTX5234	Plant utilities	None	6						
		TTX5260	Pattern development	None	6						
		TTM5361	Textile management and merchandising	None				9			
	4	MPZ5230	Engineering mathematics III	MPZ3231(P),MPZ3132(P),MPZ4230(EL)			6				
		Select only one									
		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		15					
		TTY6496	Group project (Textile & Apparel)	Eligibility of 39 credits at level 5 or above, pass in 18 credits at level 5 or above		12					
		TTY6197	Project Identification & literature survey (Textile and Apparel)	Pass in 9 credits at Level 5 or above		3					
				and							
		TTY6498	Individual Project Type A (Textile & Apparel)	MEY6197(CR)		12					
Minimum credits for the Bachelor of Technology Honours in Engineering Degree				**177** [5]	114[2]	12[3]	21[4]	9	9	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
[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