

## 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						
		<b>Minimum credits for the Higher Diploma in Technology</b>				<b>90</b>	<b>60<sup>1</sup></b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>
		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				
			<b>Select only one</b>									
			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					
			<b>and</b>									
			TTY6498	Individual Project Type A (Textile & Apparel)	MEY6197(CR)		12					
		<b>Minimum credits for the Bachelor of Technology Honours in Engineering Degree</b>				<b>177<sup>5</sup></b>	<b>114<sup>2</sup></b>	<b>12<sup>3</sup></b>	<b>21<sup>4</sup></b>	<b>9</b>	<b>9</b>	<b>0</b>

<sup>1</sup> 60 credits of which at least 18 at level 4 or above

<sup>2</sup> subjected to a minimum of 45 at levels 5 and 6, of which at least 18 at level 6

<sup>3</sup> subjected to a minimum of 12 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