

Textile Engineering Courses		Program Learning Outcomes (PLOs)										
		PLO-1	PLO-2	PLO-3	PLO-4	PLO-5	PLO-6	PLO-7	PLO-8	PLO-9	PLO-10	PLO-11
First Year	Fall	ES-105 / ES-127 Pakistan Studies / Pakistan Studies (for Foreigners)					C2 C2					
		EA-128 Functional English								A3 C2		C6
		MT-116 Calculus & Analytical Geometry		C3 C3 C3								
		MF-101 IT Fundamentals and Application	C2	C3			P3					
		PH-129 Applied Physics	C2	C3 C3								
		TE-113 Introduction to Textile Engineering	C2 C2									
	Spring	ES-206 / ES-209 Islamic Studies / Ethical Behaviour (for non-Muslims)							C2 C2			
		ES-108 Ideology and Constitution of Pakistan						C2 C2				
		MT-221 Linear Algebra & Ordinary Differential Equations	C2	C3								
		TE-111 Textile Chemistry	C2 C2				P3					
		ME-112 Thermodynamics	C2	C3 C4								
		TE-224 Polymer and Fiber Science	C2 C2									
Second Year	Fall	ME-101 Engineering Mechanics	C2	C3 C3		P3						
		TE-218 Material Science	C1	C3								
		TE-216 Fluid Mechanics for Textiles	C2	C4								
		TE-211 Textile Yarn Manufacturing	C2			P2					C5	
		EE-122 Basic Electricity & Electronics	C2 C2	C3								
		TE-251 Engineering Drawing & Graphics					C3* C3*					
	Spring	TE-205 Pretreatment for Textiles	C2 C2			P3						
		ME-311 Manufacturing Processes	C2	C3		P3		A4				
		MM-205 Mechanics of Materials	C3		C4		C3		P3			
		MF-201 Civics and Community Engagement	C2					C3				
		TE-312 Textile Fabric Manufacturing Processes	C2			C4	P3					
		MF-205 Community Services						A3			A2	
ES-109/ES 210 Understanding of Holy Quran – I / Introduction to Ethics – I						A3				A2		

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Third Year	Fall	TE-307 Utilities for Textile Industry	C4	C4	C3	P3							
		MF-304 Engineering Economics						C3					C4
		TE-326 Textile Dyeing	C2		C3	C6	P3						
		EA-304 Business Communication and Ethics							C3		A3 C6		
		TE-207 Machine Design	C2		C5 C5								
		ME-104 Workshop Practices				P3 P3		A4					
		ES-110/ES 211 Understanding of Holy Quran – II / Introduction to Ethics – II											
	Spring	TE-463 Garment Manufacturing	C4		C3		P3						
		TE-323 Textile Product Evaluation-I		C3 C4		P3							
		TE-319 Heat & Mass Transfer		C2	C3	C2	P3						
		TE-318 Textile & Environment						C2 C3					
		TE-305 Quality Control in Textiles	C3	C4						C3			
		MT-333 Advanced Calculus & Fourier Analysis	C2	C3 C3									
		TE-351 Computer Aided Design					C3* C5*						
EA-#/ES-# Foreign Language-I		-	-	-	-	-	-	-	-	-	-	-	
Fourth Year	Fall	MG-257 Organizational Behavior						C3				C2 A3	
		TE-462 Advanced Fabric Manufacturing Mechanism	C4	C4	C4	P3							
		TE-# Elective - I											
		TE-408 Textile Engineering Design Project		C	C			C	A	A	A	A	
		TE-413 Textile Product Evaluation-II		C5	C4	P3							
		EA/ES Foreign Language-II	-	-	-	-	-	-	-	-	-	-	-
	Spring	MG-485 Entrepreneurship								C3			C2
		TE-406 Textile Production Management			C5	C5	C3					C5	
		TE-# Elective - II											
		TE-408 Textile Engineering Design Project		C	C				A	C A	C A	C	C
		TE-424 Textile Printing	C3	C5		P3							
		TE-464 Occupational Health and Safety						C2 C3					
		Internship Feedback	C	C					A	A	A	A	