

3.1.7 Textile Engineering

FIRST YEAR

Fall Semester				Spring Semester					
Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
TE-113	Introduction to Textile Engineering	2	0	2	TE-111	Textile Chemistry	3	1	4
PH-122	Applied Physics	3	1	4	ME-112	Thermodynamics	3	0	3
ME-111	Engineering Drawing	2	1	3	ME-104	Workshop Practice	0	2	2
MT-114	Calculus	3	0	3	EE-122	Basic Electricity & Electronics	3	0	3
ES-105/	Pakistan Studies OR	2	0	2	ME-101	Engineering Mechanics	3	1	4
ES-127	Pakistan Studies (for Foreigner)				TE-224	Polymer & Fiber Science	2	0	2
EA-114	Functional English	2	0	2					

SECOND YEAR

Fall Semester				Spring Semester					
Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
MM-205	Mechanics of Material	3	1	4	TE-211	Textile Yarn Manufacturing	3	1	4
TE-208	Material Science	2	1	3	TE-205	Pre-treatment of Textile	3	1	4
TE-203	Computer Programming & Application	2	1	3	TE-207	Machine Design	3	0	3
TE-206	Fluid Mechanics for Textiles	2	1	3	ME-311	Manufacturing Processes	3	1	4
MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3	ES-205/	Islamic Studies OR	2	0	2
					ES-209	Ethical Behaviour			
					EA-200	Community Service	-	-	NC

THIRD YEAR

Fall Semester				Spring Semester					
Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
TE-312	Textile Fabric Manufacturing Processes	3	1	4	TE-453	Garment Manufacturing	3	0	3
TE-307	Utilities for Textile Industry	3	1	4	TE-313	Textile Product Evaluation-I	3	1	4
MF-303	Applied Economics for Engineers	3	0	3	TE-319	Heat & Mass Transfer	2	1	3
TE-326	Textile Dyeing	3	1	4	TE-318	Textile & Environment	2	0	2
EA-304	Business Communication & Ethics	3	0	3	TE-305	Quality Control in Textiles	2	0	2
					MT-333	Advanced Calculus & Fourier Analysis	3	0	3
					##-###	Foreign Language-I	-	-	NC

FINAL YEAR

Fall Semester				Spring Semester					
Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
MG-482	Organizational Behavior	3	0	3	MG-481	Entrepreneurship	3	0	3
TE-462	Advanced Fabric Manufacturing Mechanism	3	1	4	TE-451	Automation & Control in Textiles	3	0	3
TE-###	Elective	3	1	4	TE-###	Elective Course	3	0	3
TE-408	Textile Engineering Design Project*	0	3	3	TE-408	Textile Engineering Design Project	0	3	3
TE-413	Textile Product Evaluation-II	3	1	4	TE-424	Textile Printing	3	1	4
##-###	Foreign Language-II	-	-	NC					

Inter-Disciplinary Elective (to be chosen from the following)

TE-461	Advanced Yarn Manufacturing Mechanism	TE-406	Textile Production Management
TE-452	Textile Finishing	TE-454	Textile Merchandising
TE-455	Advanced Garment Manufacturing		

* Duration one academic year: Requires literature survey and preliminary work during this Semester

