



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
ES-105/	Pakistan Studies /	2	0	2	ES-206/	Islamic Studies /	2	0	2
ES-127	Pakistan Studies (for Foreigners)				ES-209	Ethical Behaviour (for non-Muslims)			
EA-128	Functional English	3	0	3	ES-108	Ideology and Constitution of Pakistan	2	0	2
MT-116	Calculus & Analytical Geometry	3	0	3	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
MF-101	IT Fundamentals and Application	2	1	3	TE-111	Textile Chemistry	3	1	4
PH-129	Applied Physics	3	0	3	ME-112	Thermodynamics	3	0	3
TE-113	Introduction to Textile Engineering	2	0	2	TE-224	Polymer and fiber science	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
ME-101	Engineering Mechanics	3	1	4	TE-205	Pretreatment of Textiles	3	1	4
TE-218	Material Science	2	0	2	ME-311	Manufacturing Processes	3	1	4
TE-216	Fluid Mechanics for Textiles	2	0	2	MM-205	Mechanics of Materials	3	1	4
TE-211	Textile Yarn Manufacturing	3	1	4	MF-201	Civics and Community Engagement	2	0	2
EE-122	Basic Electricity & Electronics	3	0	3	TE-312	Textile Fabric Manufacturing Processes	3	1	4
TE-251	Engineering Drawing & Graphics	0	2	2	MF-205	Community Services	0	0	0

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-307	Utilities for Textile Industry	3	1	4	TE-463	Garment Manufacturing	2	1	3
MF-304	Engineering Economics	2	0	2	TE-323	Textile Product Evaluation-I	2	1	3
TE-326	Textile Dyeing	3	1	4	TE-319	Heat & Mass Transfer	2	1	3
EA-304	Business Communication and Ethics	3	0	3	TE-318	Textile & Environment	2	0	2
TE-207	Machine Design	3	0	3	TE-305	Quality Control in Textiles	2	0	2
ME-104	Workshop Practice	0	2	2	MT-333	Advanced Calculus & Fourier Analysis	3	0	3
					TE-351	Computer Aided Design	0	1	1
					EA/ES-###	Foreign Language-I	0	0	0

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-257	Organizational Behavior	2	0	2	MG-485	Entrepreneurship	2	0	2
TE-462	Advanced Fabric Manufacturing Mechanism	3	1	4	TE-406	Textile Production Management	3	0	3
TE-###	Elective – I	3	1	4	TE-###	Elective – II	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
EA-###/ES-###	Foreign Language-II	0	0	0	TE-464	Occupational Health and Safety	1	0	1

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

TE-452	Textile Finishing
TE-455	Advanced Garment Manufacturing
TE-461	Advanced Yarn Manufacturing Mechanism

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

TE-454	Textile Merchandising
TE-451	Automation & Control in Textiles

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

