



3.2.2 Textile Sciences

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-111	Textile Chemistry	3	1	4	TE-211	Textile Yarn Manufacturing Processes	3	1	4
ME-110	Basic Mechanical Engineering	2	0	2	MT-114	Calculus	3	0	3
EA-114	Functional English	2	0	2	ES-105/	Pakistan Studies OR	2	0	2
TS-119	Introduction to Textiles	2	0	2	ES-127	Pakistan Studies (for foreigners)			
TE-234	Polymer & Fibre Science	2	1	3	PH-122	Applied Physics	3	1	4
ES-206/	Islamic Studies OR	2	0	2	EA-115	Academic Reading and Writing	3	0	3
ES-209	Ethical Behaviour (for non muslims)								
MT-100	Introduction to Mathematics	-	-	NC					

SECOND YEAR

Fall Semester				Spring Semester					
Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
IM-207	Computer Programming & Drafting	2	1	3	MF-303	Applied Economics for Engineers	3	0	3
TS-209	Colour Science	2	1	3	TS-364	Knitting Technology	3	1	4
TS-341	Advanced Yarn Production Processes	3	1	4	TS-480	Technical Textiles	3	0	3
TE-322	Textile Fabric Manufacturing Processes	3	1	4	TS-245	Pre-treatment in Textiles	3	1	4
MT-225	Linear Algebra & Ordinary Differential Equations	3	0	3	TS-243	Textile Testing-I	2	1	3
					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
TS-465	Advanced Fabric Manufacturing Techniques	3	0	3	TE-318	Textile & Environment	2	0	2
TE-307	Utilities for Textile Industry	3	1	4	TE-453	Garment Manufacturing	3	0	3
TS-356	Textile Dyeing	3	1	4	TS-358	Textile Printing	3	1	4
TS-357	CAD/CAM in Apparel Industry	3	1	4	TS-371	Textile Testing-II	2	1	3
EA-304	Business Communication & Ethics	3	0	3	TS-359	Denim Manufacturing Process	3	0	3
					EA/ES-###	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
##-###	Elective-1	3	1	4	##-###	Elective-2	3	1	4
TE-452	Textile Finishing	3	1	4	MG-481	Entrepreneurship	3	0	3
TE-305	Quality Control in Textiles	2	0	2	TE-454	Textile Merchandizing	3	0	3
TS-458	Project*	0	3	3	TE-406	Textile Production Management	3	0	3
MG-482	Organizational Behaviour	3	0	3	TS-458	Project	0	3	3
EA/ES-###	Foreign Language-II	-	-	NC					

Elective-I (to be chosen from the following)

TE-455	Advanced Garment Manufacturing Process
TS-460	Smart Textiles
TS-462	Textile Composites

Elective-II (to be chosen from the following)

TS-456	Industrial Engineering in Apparel
TS-459	Protective Textiles
TS-457	Geo Textiles
TS-461	Fashion Designing

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

