

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
ES-206/	Islamic Studies /	2	0	2	ES-105/	Pakistan Studies /	2	0	2
ES- 209	Ethical Behaviour (for non- Muslims)				ES-127	Pakistan Studies (for Foreigners)			
ES-108	Ideology and Constitution of Pakistan	2	0	2	MF-101	IT Fundamentals and Applications	2	1	3
EA-128	Functional English	3	0	3	MT-102	Quantitative Reasoning-II	3	0	3
MT-101	Quantitative Reasoning-I	3	0	3	TE-211	Textile Yarn Manufacturing Processes	3	1	4
TE-111	Textile Chemistry	3	1	4	TS-255	Pre-treatment in Textiles	2	1	3
TS-119	Introduction to Textiles	2	0	2					
MT-100	Introduction to Mathematics	0	0	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
MF-201	Civics and Community Engagement	2	0	2	PH-128	Applied Physics	3	0	3
EA-218	Business Communication	2	1	3	MF-303	Applied Economics for Engineers	3	0	3
MT-116	Calculus and Analytical Geometry	3	0	3	TS-480	Technical Textiles	3	0	3
ME-110	Basic Mechanical Engineering	2	0	2	TE-234	Polymer and Fibre Science	2	1	3
TS-341	Advanced Yarn Production Processes	3	1	4	TS-243	Textile Testing-I	2	1	3
TE-322	Textile Fabric Manufacturing Processes	3	1	4	TS-209	Colour Science	2	1	3
					MF-205	Community Service	0	0	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-453	Garment Manufacturing	3	0	3
TE-307	Utilities for Textile Industry	3	1	4	TS-358	Textile Printing	3	1	4
TS-356	Textile Dyeing	3	1	4	TS-371	Textile Testing II	2	1	3
TS-357	CAD/CAM in Apparel Industry	3	1	4	TS-359	Denim Manufacturing Process	3	0	3
EA-244	Academic Reading & Writing	3	0	3	EA/ES-####	Foreign Language I	0	0	NC
					TS-364	Knitting Technology	3	1	4

FINAL YEAR

Fall Semester					Spring Semester				
Course Code	Course Title	Credit Hours			Course Code	Course Title	Credit Hours		
		Th	Pr	Total			Th	Pr	Total
TE/TS-###	Elective I	3	1	4	TS-###	Elective II	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 Merchandising	3	0	3
TS-458	Textile Science Project*	0	3	3	TE-406	Textile Production Management	3	0	3
MG-482	Organizational Behaviour	3	0	3	TS-458	Textile Science Project	0	3	3
EA/ES-###	Foreign Language II	0	0	NC					
TE-318	Textile & Environment	2	0	2					

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

