

Department of Textile Engineering

University of Engineering and Technology, Lahore

Faisalabad Campus

Summary of Curriculum for B.Sc. Textile Engineering

Domain	Knowledge Area	Total Courses	PEC/HEC Recommended		Institute's Program Breakup	
			Total Credits	Overall %	Total Credits	Overall %
Non-Engineering	Humanities	5	19 -21	33.8 / 34.6	14	30.53
	Management Sciences	3	6		8	
	Natural Sciences	6	19 -20		18	
	Sub Total	14	44 – 47		40	
Engineering	Computing	2	9	66.2 / 65.4	7	69.47
	Engineering Foundation	10	29		31	
	Major Based Core (Breadth)	5	19 -20		20	
	Major Based Core (Depth)	5	17 -18		20	
	Inter-Disciplinary Engineering Breadth Electives)	3	7		7	
	Senior Design Project	2	6		6	
	Industrial Training (Summer)	0	0		0	
	Sub Total	27	86 – 89		91	
Total		41	130-136	100	131	100

Semester 1

No.	Code	Course title	Credit Hrs.		Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	TEX-101	Textile Engineering Fundamentals	2	1	2	3
2	CY-105	Applied Chemistry- I	2	1	2	3
3	ME-102	Mechanical Engineering Fundamentals	3	0	3	0
4	CS-103	Computing Fundamentals	2	1	2	3
5	HU-104	Communication Skills	2	0	2	0
6	MA-105	Applied Mathematics-I	3	0	3	0
Total			14	3	14	9
Grand Total			17		23	

Semester 2

No.	Code	Course title	Credit Hrs.		Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	IS-101	Islamic and Pakistan Studies-I	3	0	3	0
2	PHY-103	Applied Physics	2	1	2	3
3	EE-104	Basic Electrical and Electronics Engineering	2	1	2	3
4	MA-106	Applied Mathematics-II	3	0	3	0
5	CY-106	Applied Chemistry- II	2	1	2	3
6	ME-100L	Workshop Practice	0	1	0	3
Total			12	4	12	12
Grand Total			16		24	

Semester 3

No.	Code	Course title	Credit Hrs.		Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	TEX-201	Textile Raw Materials and Science	2	1	2	3
2	TEX-202	Yarn Preparatory Processes	2	1	2	3
3	TEX-203	Weaving Preparatory Processes	2	1	2	3
4	TEX-204	Pre-treatment of Textiles	2	1	2	3
5	IS-201	Islamic and Pakistan Studies-II	3	0	3	0
6	HU-205	Technical Writing	3	0	3	0
Total			14	4	14	12
Grand Total			18		26	

Semester 4

No.	Code	Course title	Credit Hrs.		Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	TEX-205	Yarn Production Engineering	3	1	3	3
2	TEX-206	Dyestuff and Color Science	3	1	3	3
3	TEX-207	Clothing Anthropometry and Pattern Construction	2	1	2	3
4	MA-205	Applied Statistics and Probability	3	0	3	0
5	CS-208	Computer Application in Textile design	3	1	3	3
Total			14	4	14	12
Grand Total			18		26	

Semester 5

No.	Code	Course title	Credit Hrs.		Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	TEX-301	Textile Testing and Quality Control	2	1	2	3
2	TEX-302	Weaving Mechanisms and Advancements	3	1	3	3
3	TEX-303	Textile Dyeing and Printing	3	1	3	3
4	TEX-304	Sewn Product Engineering	3	1	3	3
5	TEX-305	Technical Textiles and Non-wovens	3	0	3	0
Total			14	4	14	12
Grand Total			18		26	

Semester 6

No.	Code	Course title	Credit Hrs.		Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	TEX-306	Advance Spinning techniques	3	1	3	3
2	TEX-307	Knitting Operations	3	1	3	3
3	TEX-308	Textile Finishing	3	1	3	3
4	TEX-309	Clothing Quality Control	3	1	3	3
5	MGT-318	Entrepreneurship and Management	2	0	2	0
Total			14	4	14	12
Grand Total			18		26	

Semester 7

No.	Code	Course title	Credit Hrs.		Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	TEX-401	Specialty Yarns	2	1	2	3
2	TEX-402	Fabric Structure and Design	3	1	3	3
3	TEX-403	Senior Design Project I	0	3	0	9
4	HU-404	Professional Ethics and Procurement	3	0	3	0
Total			8	5	8	15
Grand Total			13		23	

Semester 8

No.	Course code	Course title	Credit Hrs.		Weekly Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	TEX-404	Senior Design Project II	0	3	0	9
2	TEX-405	Industrial Engineering in the Clothing Industry	3	1	3	3
3	MGT-414	Engineering Management and Management Science	3	0	3	0
4	MGT-415	Environment, Health and Safety	3	0	3	0
Total			9	4	9	12
Grand Total			13		21	