

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	9	19 -21	33.8 / 34.6	18	32.35 %
	Management Sciences	3	6		8	
	Natural Sciences	6	19 -20		18	
	Sub Total	18	44 – 47		44	
Engineering	Computing	2	9	66.2 / 65.4	7	67.64 %
	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		8	
	Senior Design Project	2	6		6	
	Sub Total	27	86 – 89		92	
Total	44	130-136	100	136	100	

Semester 1

No.	Code	Course title	Credit Hrs.		Weekly 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	Introduction to Computer Programming for Data Science	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.		Weekly Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	IS-101	Islamic and Pakistan Studies-I	3	0	3	0
2	TEX-102	Textile Raw Materials and Science	2	1	2	3
3	EE-199	Basic Electrical and Electronics Engineering	3	1	3	3
4	MA-106	Applied Mathematics	3	0	3	0
5	CY-106	Applied Chemistry	2	1	2	3
6	ME-100L	Workshop Practice	0	1	0	3
7	QT-101	Translation of The Holy Qur'an-I	1	0	1	0
Total			14	4	14	12
Grand Total			18		26	

Semester 3

No.	Code	Course title	Credit Hrs.		Weekly Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	PHY-103	Applied Physics	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.		Weekly 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	TEX-208	Computer Application in Textile	3	1	3	3
5	QT-201	Translation of The Holy Qur'an-II	1	0	1	0
Total			12	4	12	12
Grand Total			16		24	

Semester 5

No.	Code	Course title	Credit Hrs.		Weekly 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	MA-205	Applied Statistics and Probability	3	0	3	0
Total			14	4	14	12
Grand Total			18		26	

Semester 6

No.	Code	Course title	Credit Hrs.		Weekly 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-305	Technical Textiles and Nonwovens	3	0	3	0
5	MGT-318	Entrepreneurship and Management	2	0	2	0
6	QT-301	Translation of The Holy Qur'an-III	1	0	1	0
Total			15	3	15	9
Grand Total			18		24	

Semester 7

No.	Code	Course title	Credit Hrs.		Weekly Contact Hrs.	
			Th.	Pr.	Th.	Pr.
1	TEX-401	Specialty Yarns	2	1	2	3
2	MGT-418	Engineering Management	3	0	3	0
3	TEX-403	Senior Design Project I	0	3	0	9
4	TEX-406	Clothing Quality Control	3	1	3	3
5	HU-404	Professional Ethics and Procurement	3	0	3	0
Total			11	5	11	15
Grand Total			16		26	

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-415	Environment, Health and Safety	3	0	3	0
4	QT-401	Translation of The Holy Qur'an-IV	1	0	1	0
5	TEX-402	Fabric Structure and Design	3	1	3	3
Total			10	5	10	15
Grand Total			15		25	