

**Department of Textile Engineering**  
**University of Engineering and Technology, Lahore**  
**Faisalabad Campus**  
Curriculum for B.Sc. Textile Engineering  
for Session 2024 and onward

Domain	Knowledge Area	PEC/HEC Recommended (Min)	B.Sc. Textile Engineering Program Breakup	
		Total Credits	Total Credits	Overall %
Non-Engineering	Humanities	19	20	30.15
	Management Sciences	4	6	
	Natural Sciences	15	15	
	<b>Sub Total</b>		<b>41</b>	
Engineering	Computing	6	6	69.85
	Engineering Foundation	22	25	
	Major Based Core (Breadth)	22	25	
	Major Based Core (Depth)	22	25	
	Inter-Disciplinary Engineering	6	8	
	Senior Design Project	6	6	
	<b>Sub Total</b>		95	
	<b>Required Total Credit Hours</b>	<b>130-136</b>	<b>136</b>	<b>100</b>

**Note:** 6-8 weeks Internship is mandatory.

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Scheme of Studies for B.Sc. Textile Engineering

**Semester 1**

No.	Code	Course title	Credit Hrs.	
			Th.	Pr.
1	TEX-101	Textile Engineering Fundamentals	2	1
2	CY-105	Applied Chemistry-I	2	1
3	ME-102	Mechanical Engineering Fundamentals	3	0
4	CS-106	Applications of Information and Communication Technologies (ICT)	2	1
5	MA-105	Applied Mathematics-I	3	0
6	IS-102	Islamic Studies	3	0
<b>Total</b>			<b>15</b>	<b>3</b>
<b>Grand Total</b>			<b>18</b>	

**Semester 2**

No.	Code	Course title	Credit Hrs.	
			Th.	Pr.
1	TEX-102	Textile Raw Materials and Science	2	1
2	EE-199	Basic Electrical and Electronics Engineering	3	1
3	MA-106	Applied Mathematics	3	0
4	QT-101	Translation of The Holy Qur'an-I	1	0
5	MGT-105	Introduction to Economics	2	0
6	MGT-110	Social Responsibility	2	0
7	CS-103	Introduction to Computer Programming for Data Science	2	1
<b>Total</b>			<b>15</b>	<b>3</b>
<b>Grand Total</b>			<b>18</b>	

**Semester 3**

No.	Code	Course title	Credit Hrs.	
			Th.	Pr.
1	TEX-202	Yarn Preparatory Processes	2	1
2	TEX-203	Weaving Preparatory Processes	2	1
3	TEX-204	Pre-treatment of Textiles	2	1
4	HU-200	Technical Report Writing	3	0
5	MA-205	Applied Statistics and Probability	3	0
6	HU-202	Ideology and Constitution of Pakistan	3	0
<b>Total</b>			<b>15</b>	<b>3</b>
<b>Grand Total</b>			<b>18</b>	

**Semester 4**

No.	Code	Course title	Credit Hrs.	
			Th.	Pr.
1	TEX-205	Yarn Production Engineering	3	1
2	TEX-206	Dyestuff and Color Science	3	1
3	TEX-207	Clothing Anthropometry and Pattern Construction	2	1
4	QT-201	Translation of The Holy Qur'an-II	1	0
5	MA-234	Linear Algebra	3	0
6	HU-222	Expository writing	2	0
7	ME-100L	Workshop Practice	0	1
<b>Total</b>			<b>14</b>	<b>4</b>
<b>Grand Total</b>			<b>18</b>	

**Semester 5**

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

**Semester 6**

No.	Code	Course title	Credit Hrs.	
			Th.	Pr.
1	TEX-306	Advance Spinning techniques	3	0
2	TEX-307	Knitting Operations	3	1
3	TEX-308	Textile Finishing	3	1
4	MGT-318	Entrepreneurship and Management	2	0
5	QT-301	Translation of The Holy Qur'an-III	1	0
6	MGT-203	Principles of Marketing	2	0
<b>Total</b>			<b>14</b>	<b>2</b>
<b>Grand Total</b>			<b>16</b>	

**Semester 7**

No.	Code	Course title	Credit Hrs.	
			Th.	Pr.
1	TEX-403	Senior Design Project I	3	0
2	TEX-406	Clothing Quality Control	3	1
3	TEX-402	Fabric Structure and Design	3	1
4	TEX-409	Textile Calculations	2	0
5	TEX-401	Specialty Yarns	2	0
<b>Total</b>			<b>13</b>	<b>2</b>
<b>Grand Total</b>			<b>15</b>	

**Semester 8**

No.	Course code	Course title	Credit Hrs.	
			Th.	Pr.
1	TEX-404	Senior Design Project II	3	0
2	TEX-405	Industrial Engineering in the Clothing Industry	3	1
3	MGT-415	Environment, Health and Safety	3	0
4	TEX-412	Denim Manufacturing and Processing	2	0
5	TEX-408	Recent Trends in Textiles	2	0
6	QT-401	Translation of The Holy Qur'an-IV	1	0
<b>Total</b>			<b>14</b>	<b>1</b>
<b>Grand Total</b>			<b>15</b>	