

Proposed Roadmap BS Textiles (From Fall 2023 onwards) as UMT 2.0 Undergraduate Policy

Students without mathematics in intermediate required to do extra two mathematics subjects in first year (each course in one semester).

1. Algebra and Trigonometry, 2. Pre-calculus and Analytical Geometry.

First Semester

Code	Course Title	Theory	Lab	Total	Contact Hours
	English-I	3	0	3	3
	Islamic Studies	3	0	3	3
	Everyday Science	3	0	3	3
	Computer Applications	2	1	3	4
DC101	Digital Communication-I	0	2	2	4
TL105	Introduction to Textiles and Clothing	3	0	3	3
	Total	14	3	17	20

Second Semester

Code	Course Title	Theory	Lab	Total	Contact Hours
	English-II	3	0	3	3
	Pakistan: Ideology, Constitution and Society	3	0	3	3
	Logical Reasoning	3	0	3	3
GY102	Mathematical Geometry and Drafting	1	1	2	3
DC102	Digital Communication-II	0	2	2	4
TL204	Yarn Manufacturing	3	1	3	5
	Total	13	4	17	21

Third Semester

Code	Course Title	Theory	Lab	Total	Contact Hours
	Quantitative Skills & Reasoning	3	0	3	3
CS143	Computer Programming Fundamentals	2	1	3	4
FD212	History of Costume	2	0	2	2
TL106	Textile Raw Materials	3	0	3	3
TL206	Fabric Manufacturing	2	1	3	4
TL219	Industrial Engineering in Apparel Production	3	1	4	5
	Total	15	3	18	21

Fourth Semester

Code	Course Title	Theory	Lab	Total	Contact Hours
	Business Statistics	3	0	3	3
	Civics and Community Engagement	0	2	2	4
CC102	Object Oriented Programming	2	1	3	4
TL208	Garment Manufacturing	3	1	4	5
TL214	Textile Wet Processing	2	1	3	4
TL218	Knit Structures and Formation	2	1	3	4
	Total	12	6	18	24

Fifth Semester

Code	Course Title	Theory	Lab	Total	Contact Hours
	Principles of Marketing	3	0	3	3
TL309	Textile Industry Utilities	2	1	3	4
TL209	Textile Calculations	3	0	3	3
TL211	Technical Textiles	3	0	3	3
TL315	Garment Illustration	1	2	3	5
FD329	Pattern Drafting Techniques	1	2	3	5
SD100	English Immersion-I	0	0	0	0
	Total	13	5	18	23

Sixth Semester

Code	Course Title	Theory	Lab	Total	Contact Hours
MG224	Innovation and Entrepreneurship	3	0	3	3
EE351	Electrical and Electronic Fundamentals	2	1	3	4
TL313	Anthropometry and Garment Construction	3	1	4	5
TL356	Garment Production, Planning and Control	3	0	3	3
TL305	Textile Testing	1	1	2	3
TL321	Environment Health and Safety	3	0	3	3
SD102	21 st Century Skills	0	0	0	0
	Total	15	3	18	21

Seventh Semester S2027

Code	Course Title	Theory	Lab	Total	Contact Hours
TL403	Computer Aided Pattern Making	2	1	3	4
TL401	Sustainable Textiles	3	0	3	3
TL414	Garment Finishing Process	3	0	3	3
TL413	Textile Merchandizing	3	0	3	3
TL411	Quality Characterization of Apparel	3	0	3	3
TL491	Capstone Project-I	0	3	3	6
	Total	14	4	18	21

Eighth Semester

Code	Course Title	Theory	Lab	Total	Contact Hours
TL402	Apparel Machinery and Equipment	2	1	3	4
TL492	Capstone Project – II	0	3	3	6
	COOP*	0	6	6	
	Total	2	10	12	
Credit Hours without COOP = (100 + 30 = 130)					
	Total Credit Hours	100	36	136	

* COOP: Students who have more than 2.60 CGPA, can adopt COOP program and do the research work in the industry.