

Proposed Roadmap BS Textiles and Clothing (From Fall 2024) 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
EN110	English-I	3	0	3
ISL112	Islamic Thoughts and Perspectives	3	0	3
CH211	Everyday Science	3	0	3
ISI135	Computer Applications	2	1	3
DC101	Digital Communication-I	0	2	2
TL106	Textile Raw Materials/ Textile Fibers	3	0	3
Total		14	3	17

Second Semester

Code	Course Title	Theory	Lab	Total
EN123	English-II	3	0	3
POL121	Pakistan: Ideology, Constitution and Society	3	0	3
SD223	Logical Reasoning	3	0	3
GY102	Mathematical Geometry and Drafting	1	1	2
DC102	Digital Communication-II	0	2	2
TL204	Yarn Manufacturing	3	1	4
Total		13	4	17

Third Semester

Code	Course Title	Theory	Lab	Total
QM111	Quantitative Skills & Reasoning	3	0	3
CS143	Computer Programming Fundamentals	2	1	3
FD229	Costume History and Fashion Cycles	2	0	2
TL230	Apparel Design	0	2	2
TL206	Fabric Manufacturing	3	1	4
TL231	Pattern Drafting Fundamentals	0	2	2
FD223	Basics of Draping	0	2	2
Total		10	8	18

Fourth Semester

Code	Course Title	Theory	Lab	Total
QM230	Business Statistics	3	0	3
CC102	Object Oriented Programming	2	1	3
TL232	Anthropometry and Pattern Construction	2	1	3
TL214	Textile Wet Processing	2	1	3
TL315	Garment Illustration	0	2	2

TL219	Industrial Engineering in Apparel Production	3	1	4
	Total	13	6	19

Fifth Semester

Code	Course Title	Theory	Lab	Total
MK210	Principles of Marketing	3	0	3
TL309	Textile Industry Utilities	2	1	3
TL305	Textile Testing	1	1	2
TL218	Knit Structures and Formation	2	1	3
AI2151	Artificial Intelligence	2	1	3
TL211	Technical Textiles	3	0	3
SD100	English Immersion-I	0	0	0
	Total	14	4	18

Sixth Semester

Code	Course Title	Theory	Lab	Total
MG224	Innovation and Entrepreneurship	3	0	3
EE205/EF132	Basic Electrical Engineering	2	1	3
TL208	Garment Manufacturing	3	1	4
TL356	Garment Production, Planning and Control	3	0	3
TL402	Apparel Machinery & Equipment	2	1	3
TL310	Statistical Methods in Textiles	3	0	3
SD102	21 st Century Skills	0	0	0
	Total	16	3	19

Seventh Semester

Code	Course Title	Theory	Lab	Total
TL403	Computer Aided Pattern Making	3	1	4
TL401	Sustainable Textiles	3	0	3
TL414	Garment Finishing Process	3	0	3
TL413	Textile Merchandizing	3	0	3
TL411	Quality Characterization of Apparel	3	0	3
TL491	Capstone Project-I	0	2	2
	Total	15	3	18

Eighth Semester

Code	Course Title	Theory	Lab	Total
SD210	Civics and Community Engagement	0	2	2
TL410	Compliances in Textile Industry	3	0	3
TL492	Capstone Project – II	0	2	2
	Total	3	4	7
Credit Hours without COOP = (98 +35 = 133)				
	COOP*	0	6	6
	Total	0	6	6

	Total Credit Hours with COOP	98	41	139
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*** COOP: Students who have more than 2.60 CGPA, can adopt COOP program and do the research work in the industry.**