

Scheme of studies MS Textile (MSTX)

MS Textile Degree Requirements:

Master of Science in Textile (MSTX) program comprises of 30 credit hours which includes 24 credit hours of coursework accompanied by research dissertation of 6 credit hours. The coursework has the following constraints:

- Minimum 3 core courses (9 credits) of 600 level.
- Maximum 4 elective courses (12 credits) of 600 level, related to specialization areas.
- A course on research methodology of 3 credit hours.

Admission Criteria:

1. The applicant must have passed 16 years bachelor or equivalent degree securing minimum CGPA 2.5 (semester system) or first division (annual system), in any of the following areas.
 - Textile Engineering
 - Textile Technology
 - Textile Design
 - Fashion Design
 - Home-economics (Textile and Clothing), etc.
2. The applicant must have passed UMT admission test or GAT (General) test, conducted by National Testing Service (NTS), result valid at the time of getting admission (This pre-condition may be relaxed if HEC rules allow).

Note:

The applicants may be required to take additional courses to cover their deficiencies if required by the competent authority

Core Courses:

• TX695	Thesis	6 Cr. Hr.
• TX601	Fiber and Yarn Studies	3 Cr. Hr.
• TX603	Fabric Manufacturing (Knit, Woven)	3 Cr. Hr.
• TX620	Advanced Pre Treatments	3 Cr. Hr.
• TX609	Apparel Manufacturing	3 Cr. Hr.
• TX636	Technical Textiles	3 Cr. Hr.
• RM610	Research Methodology	3 Cr. Hr.

Specialization Areas:

Yarn Specialization:

- TX616 Mechanics of Materials 3 Cr. Hr.
- TX622 Advanced Yarn Studies 3 Cr. Hr.
- TX638 Mechanics of Yarn Manufacturing 3 Cr. Hr.
- TX615 Measurement and Evaluation of Yarn Properties 3 Cr. Hr.

Fabric Specialization:

- TX625 Advanced Weaving 3 Cr. Hr.
- TX631 Advanced Knitting Technology 3 Cr. Hr.
- TX655 Measurement and Evaluation of Fabric Properties 3 Cr. Hr.
- TX632 Advanced Textile Composites 3 Cr. Hr.

Textile Wet Processing Specialization:

- TX612 Advanced Textile Wet Processes 3 Cr. Hr.
- TX623 Advanced Textile Printing Technologies 3 Cr. Hr.
- TX610 Advanced Textile Finishing Technologies 3 Cr. Hr.
- TX633 Measurement and Evaluation of Textile Wet Processes 3 Cr. Hr.

Apparel Specialization:

- TX625 Production Planning and Control 3 Cr. Hr.
- TX626 Merchandising 3 Cr. Hr.
- TX648 Advanced Sewing 3 Cr. Hr.
- TX645 Garments Statistical Process Control 3 Cr. Hr.

Textile Management Specialization:

- TX627 Competitive Strategy and Planning for the Textile Industry 3 Cr. Hr.
- TX642 Managing Textile Supply Chains 3 Cr. Hr.
- TX656 Textile and Apparel Quality Management 3 Cr. Hr.
- MG651 Strategic Human Resource Management 3 Cr. Hr.
- TQM620 Total Quality Management 3 Cr. Hr.