

Course modules

B. Sc (Hon's) Textile Science & Technology TST

Course Structure:

- **Total Credits** : 168 + Internship
- **Duration**: Four –Years 8 Semesters each Semester of six months.
- **Eligibility Criteria** HSC or Equivalent in any Group (Minimum GPA:2.50)
- **Passing Grade** : Minimum passing grade for TST degree will be CGPA of **2.50** in a scale of 4.00.

First Year 1st Semester:

Course Code	Course Title	Credit	Remarks
TST 101	Textile Raw Materials-I	3	
AE 101	Engineering Drawing-I	3	
AS 101	English Communication	3	
AS 102	Chemistry-I	3	
AS 103	Chemistry-I Lab	1	
AS 104	Physics-I	3	
AS 105	Physics-I Lab	1	
AS 106	Mathematics-I	3	
TST 102	Introduction of Textiles	2	
Total =		22	

First Year 2nd Semester:

Course Code	Course Title	Credit	Remark
TST 103	Fundamentals of Polymer Science	3	
AE 102	Mechanics of Materials	3	
AE 103	Workshop Practice	1	
AE 104	Engineering Drawing-II	1	
AS 107	Physics-II	3	
AS 108	Physics-II-Lab	1	
AS 109	Chemistry-II	3	
AS 110	Chemistry-II-Lab	1	
AS 111	Mathematics-II	3	
Total =		19	

Second Year 1st Semester:

Course Code	Course Title	Credit	Remark
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TST 204	Textile Raw Materials-II	3	
TST 205	Yarn Manufacturing Technology-I	3	
TST 206	Yarn Manufacturing Technology-I Lab	1	
TST 207	Fabric Manufacturing Technology-I	3	
TST 208	Fabric Manufacturing Technology-I Lab	1	
AE 205	Elements of Theory of Machines & Machine Design	3	
AS 212	Statistics	3	
AE 206	Fundamentals of Computer Science	3	
Total =		20	

Second Year 2nd Semester:

Course Code	Course Title	Credit	Remark
TST 209	Wet Processing Technology-I	3	
TST 210	Wet Processing Technology- I Lab	1	
TST 211	Apparel Manufacturing Technology-I	3	
TST 212	Apparel Manufacturing Technology-I Lab	1	
TST 213	Textile Testing & Quality Control-I	3	
TST 214	Textile Testing & Quality Control-I Lab	1	
TST 215	Textile Physics-I	2	
AE 207	Elements of Electrical Engg. & Electronics	3	
AE 208	Elements of Electrical Engg. & Electronics Lab	1	
Total =		18	

Third Year 1st Semester:

Course Code	Course Title	Credit	Remark
TST 316	Yarn Manufacturing Technology-II	3	
TST 317	Yarn Manufacturing Technology-II Lab	1	
TST 318	Fabric Manufacturing Technology-II	3	
TST 319	Fabric Manufacturing Technology-II Lab	1	
TST 320	Textile Testing & Quality Control-II	3	
TST 321	Textile Testing & Quality Control-II Lab	1	
TST 322	Fabric Structure & Design	3	
TST 323	Fabric Structure & Design Lab	1	
TST 324	Textile Physics-II	2	
Total =		18	

Third Year 2nd Semester:

Course Code	Course Title	Credit	Remark
TST 325	Wet Processing Technology-II	3	
TST 326	Wet Processing Technology-II Lab	1	
TST 327	Apparel Technology-II	3	
TST 328	Apparel Technology-II Lab	1	
TST 329	Technical Textiles	3	
AE 309	Elements of Mechanical Engineering	3	
AE 310	Elements of Mechanical Engineering Lab	1	
BUS 301	Industrial Management	3	
Total =		18	

Fourth Year 1st Semester:

Course Code	Course Title	Credit	Remark
TST 430	Management & Maintenance of Textile Machinery	3	
TST 431	Yarn Manufacturing Technology-III (Optional)	3	Any one with its Lab
TST 432	Yarn Manufacturing Technology-III Lab	1	
TST 433	Fabric Manufacturing Technology-III	3	
TST 434	(Optional) Fabric Manufacturing Technology-III Lab	1	
TST 435	Wet Processing Technology-III (Optional)	3	
TST 436	Wet Processing Technology-III Lab	1	
TST 437	Garments Technology-III (Optional)	3	
TST 438	Garments Technology-III Lab	1	
TST 439	Special Yarn Production (Optional)	2	Any one
TST 440	Special Fabric Production (Optional)	2	
TST 441	Special Wet Processing (Optional)	2	
TST 442	Special Apparel Production (Optional)	2	
BUS 402	Production Planning & Control	3	
BUS 403	Sociology and Industrial Organizational Psychology	3	
TST 443	Environment and Pollution Control	3	
Total =		18	

Fourth Year 2nd Semester:

Course Code	Course Title	Credit	Remark
TST 444	Textile Testing & Quality Control-III	3	

TST 445	Yarn Manufacturing Technology-IV (Optional)	3	Anyone with Lab
TST 446	Yarn Manufacturing Technology-IV Lab	1	
TST 447	Fabric Manufacturing Technology-IV	3	
TST 448	(Optional) Fabric Manufacturing Technology-IV Lab	1	
TST 449	Wet Processing Technology-IV (Optional)	3	
TST 450	Wet Processing Technology-IV Lab	1	
TST 451	Apparel Manufacturing Technology-IV	3	
TST 452	(Optional) Apparel Manufacturing Technology-IV Lab	1	
TST 453	Application of Computer in YMT	3	Any one
TST 454	Application of Computer in FMT	3	
TST 455	Application of Computer in WPT	3	
TST 456	Application of Computer in GMT	3	
BUS 404	Accounting and Marketing	3	
TST 457	Project work	3	
TST 558	Industrial Training	3	
Total =		18	