

**Ahsanullah University of Science and Technology, Dhaka**  
**B.Sc. in Textile Engineering**

**1<sup>st</sup> Year 1<sup>st</sup> Semester**

Course No.	Course Title	Contact hr/week Theory-Lab.	Remark
Tex 101	Textile Raw Materials-I	3-0	
ME 102	Engineering Drawing-I	0-3	
Hum 103	English Language	3-0	
Chem 107	Chemistry-I	3-0	
Chem 108	Chemistry-I Lab	0-3	
Phy 109	Physics-I	3-0	
Phy 110	Physics-I Lab	0-3	
Math 111	Mathematics-I	3-0	

**Total = 15-9**

**Credit = 19.5**

**1<sup>st</sup> Year 2<sup>nd</sup> Semester**

Course No.	Course Title	Contact hr/week Theory-Lab.	Remark
Tex 103	Polymer Science	3-0	
ME 103	Mechanics of Materials	3-0	
ME 104	Workshop Practice	0-3	
ME 108	Engineering Drawing-II	0-3	
Phy 111	Physics-II	3-0	
Phy 112	Physics-II Lab	0-3	
Chem 111	Chemistry-II	3-0	
Chem 112	Chemistry-II Lab	0-3	
Math 113	Mathematics-II	3-0	

**Total = 15-12**

**Credit = 21**

**2<sup>nd</sup> Year 1<sup>st</sup> Semester**

Course No.	Course Title	Contact hr/week Theory-Lab.	Remark
Tex 201	Textile Raw Materials-II	3-0	
Tex 203	Yarn Manufacturing Technology-I	4-0	
Tex 204	Yarn Manufacturing Technology-I Lab	0-3	
Tex 205	Fabric Manufacturing Technology-I	4-0	
Tex 206	Fabric Manufacturing Technology-I Lab	0-3	
ME 201	Elements of Theory of Machines & Machine Design	3-0	
Math 205	Statistics	3-0	
CSE 2146	Introduction to Computer Science	0-3	

**Total = 17-9**

**Credit = 21.5**

### 2<sup>nd</sup> Year 2<sup>nd</sup> Semester

Course No.	Course Title	Contact hr/week Theory-Lab.	Remark
Tex 207	Wet Processing Technology-I	4-0	
Tex 208	Wet Processing Technology- I Lab	0-3	
Tex 209	Garments Technology-I	4-0	
Tex 210	Garments Technology-I Lab	0-3	
Tex 211	Textile Testing & Quality Control-I	3-0	
Tex 212	Textile Testing & Quality Control-I Lab	0-3	
Tex 219	Textile Physics-I	3-0	
EEE 217	Elements of Electrical Engg. & Electronics	3-0	
EEE 218	Elements of Electrical Engg. & Electronics Lab	0-3	
CSE 2186	Basic Programming Techniques	0-3	

**Total = 17-15**

**Credit = 24.5**

### 3<sup>rd</sup> Year 1<sup>st</sup> Semester

Course No.	Course Title	Contact hr/week Theory-Lab.	Remark
Tex 303	Yarn Manufacturing Technology-II	4-0	
Tex 304	Yarn Manufacturing Technology-II Lab	0-3	
Tex 305	Fabric Manufacturing Technology-II	4-0	
Tex 306	Fabric Manufacturing Technology-II Lab	0-3	
Tex 311	Textile Testing & Quality Control-II	3-0	
Tex 312	Textile Testing & Quality Control-II Lab	0-3	
Tex 313	Fabric Structure & Design	3-0	
Tex 314	Fabric Structure & Design Lab	0-3	
Tex 319	Textile Physics-II	3-0	

**Total = 17-12**

**Credit = 23**

### 3<sup>rd</sup> Year 2<sup>nd</sup> Semester

Course No.	Course Title	Contact hr/week Theory-Lab.	Remark
Tex 307	Wet Processing Technology-II	4-0	
Tex 308	Wet Processing Technology-II Lab	0-3	
Tex 309	Garments Technology-II	4-0	
Tex 310	Garments Technology-II Lab	0-3	
Tex 315	Technical Textiles	3-0	
ME 301	Elements of Mechanical Engineering	3-0	
ME 302	Elements of Mechanical Engineering Lab	0-3	
Hum 303	Industrial Management	4-0	

**Total = 18-9**

**Credit = 22.5**

### 4<sup>th</sup> Year 1<sup>st</sup> Semester

Course No.	Course Title	Contact hr/week Theory-Lab.	Remark
Tex 401	Management & Maintenance of Textile Machinery	3-0	
Tex 403	Yarn Manufacturing Technology-III (Optional)	4-0	Any one with its Lab
Tex 404	Yarn Manufacturing Technology-III Lab	0-3	
Tex 405	Fabric Manufacturing Technology-III (Optional)	4-0	
Tex 406	Fabric Manufacturing Technology-III Lab	0-3	
Tex 407	Wet Processing Technology-III (Optional)	4-0	
Tex 408	Wet Processing Technology-III Lab	0-3	
Tex 409	Garments Technology-III (Optional)	4-0	
Tex 410	Garments Technology-III Lab	0-3	
Tex 413	Special Yarn Production (Optional)	2-0	Any one
Tex 415	Special Fabric Production (Optional)	2-0	
Tex 417	Special Wet Processing (Optional)	2-0	
Tex 419	Special Garments Production (Optional)	2-0	
ME 403	Production Planning & Control	3-0	
Hum 403	Sociology and Industrial Organizational Psychology	4-0	

**Total = 16-3**

Credit = 17.5

### 4<sup>th</sup> Year 2<sup>nd</sup> Semester

Course No.	Course Title	Contact hr/week Theory-Lab.	Remark
Tex 411	Textile Testing & Quality Control-III	3-0	
Tex 412	Textile Testing & Quality Control-III Lab	0-3	
Tex 423	Yarn Manufacturing Technology-IV (Optional)	4-0	Any one with its Lab
Tex 424	Yarn Manufacturing Technology-IV Lab	0-3	
Tex 425	Fabric Manufacturing Technology-IV (Optional)	4-0	
Tex 426	Fabric Manufacturing Technology-IV Lab	0-3	
Tex 427	Wet Processing Technology-IV (Optional)	4-0	
Tex 428	Wet Processing Technology-IV Lab	0-3	
Tex 429	Garments Technology-IV (Optional)	4-0	
Tex 430	Garments Technology-IV Lab	0-3	
Tex 431	Application of Computer in YMT	3-0	Any one
Tex 433	Application of Computer in FMT	3-0	
Tex 435	Application of Computer in WPT	3-0	
Tex 437	Application of Computer in GMT	3-0	
Hum 401	Accounting and Marketing	4-0	
Tex 400	Project work	0-6	
Tex 500	Industrial Training	0-6	

**Total = 14-18**

Credit = 23

Grand Total Credit Hours = 172.5