



Department of Textile Engineering Bachelor of Textile Engineering

Total Semester : 12 | Total Credit hrs. : 176

List of Courses

Semester 1

| Code | Course Title | Credits |
|----------------------|---------------------------------------|-----------|
| ENG- 101 | Basic English | 3 |
| MATH- 101 | Mathematics- I | 3 |
| CHEM- 101 | Chemistry- I | 2 |
| CSC- 101 | Introduction To Computer Applications | 3 |
| CHEM- 102 | Chemistry- I [lab] | 1 |
| TXE- 102 | Engineering Drawing [lab] | 2 |
| Total Credits | | 14 |

Semester 2

| Code | Course Title | Credits |
|----------------------|-----------------------------|-------------|
| ENG- 102 | Introduction To Composition | 3 |
| MATH- 102 | Mathematics- II | 2 |
| PHY- 101 | Physics- I | 2 |
| CHEM- 103 | Chemistry- II | 2 |
| TXE- 101 | Engineering Materials | 3 |
| CHEM- 104 | Chemistry- II [lab] | 1 |
| PHY- 102 | Physics- I [lab] | 1.5 |
| Total Credits | | 14.5 |

Semester 3

| Code | Course Title | Credits |
|----------------------|---|-----------|
| ENG- 103 | Advanced Composition (Technical English Writing) | 3 |
| MATH- 103 | Mathematics- III | 2 |
| PHY- 103 | Physics- II | 2 |
| CHEM- 105 | Chemistry- III | 2 |
| STAT- 101 | Statistics | 3 |
| CHEM- 106 | Chemistry- III [lab] | 1 |
| PHY- 104 | Physics- II [lab] | 1.5 |
| TXE- 104 | Workshop Practice [lab] | 1.5 |
| Total Credits | | 18 |

Semester 4

| Code | Course Title | Credits |
|----------------------|---|-----------|
| MATH- 104 | Mathematics- IV | 2 |
| TXE- 201 | Polymer Science | 3 |
| TXE- 203 | Textile Raw Material – I | 3 |
| TXE- 207 | Elements Of Electrical Engineering & Electronics | 3 |
| PHY- 106 | Physics- III | 2 |
| TXE- 208 | Elements Of Electrical Engineering & Electronics [lab] | 1.5 |
| CSC- 202 | Computer Programming [lab] | 1.5 |
| Total Credits | | 16 |

Semester 5

| Code | Course Title | Credits |
|----------------------|--|-----------|
| TXE- 209 | Textile Raw Material – II | 3 |
| TXE- 206 | Yarn Manufacturing technology- I | 3 |
| TXE- 211 | Fabric Manufacturing technology- I | 3 |
| HUM- 201 | World Civilization | 3 |
| TXE- 206 | Yarn Manufacturing technology- I [lab] | 1.5 |
| TXE- 212 | Fabric Manufacturing technology- I [lab] | 1.5 |
| Total Credits | | 15 |

Semester 6

| Code | Course Title | Credits |
|----------------------|---|-----------|
| TXE- 215 | Wet Processing Technology – I | 3 |
| TXE- 217 | Garments Manufacturing Technology- I | 3 |
| TXE- 213 | Introduction to Microprocessor, Robotics & Control Engineering | 3 |
| TXE- 219 | Textile Physics- I | 3 |
| TXE- 216 | Wet Processing Technology – I [lab] | 1.5 |
| TXE- 218 | Garments Manufacturing Technology- I [lab] | 1.5 |
| Total Credits | | 15 |

Semester 7

| Code | Course Title | Credits |
|----------------------|--|-------------|
| TXE- 301 | Yarn Manufacturing Technology- II | 3 |
| TXE- 303 | Fabric Manufacturing Technology- II | 3 |
| TXE- 305 | Textile Testing & Quality Control- I | 3 |
| SSC- 301 | Sociology | 3 |
| TXE- 302 | Yarn Manufacturing Technology- II [lab] | 1.5 |
| TXE- 304 | Fabric Manufacturing Technology- II [lab] | 1.5 |
| TXE- 306 | Textile Testing & Quality Control- I [lab] | 1.5 |
| Total Credits | | 16.5 |

Semester 8

| Code | Course Title | Credits |
|----------------------|---|-------------|
| TXE- 307 | Wet Processing Technology- II | 3 |
| TXE- 309 | Garments Manufacturing Technology- II | 3 |
| TXE- 311 | Textile Testing & Quality Control- II | 3 |
| TXE- 313 | Textile Physics- II | 3 |
| TXE- 308 | Wet Processing Technology- II [lab] | 1.5 |
| TXE- 310 | Garments Manufacturing Tech- II [lab] | 1.5 |
| TXE- 312 | Textile Testing & Quality Control- II [lab] | 1.5 |
| Total Credits | | 16.5 |

Semester 9

| Code | Course Title | Credits |
|----------------------|---|-------------|
| TXE- 315 | Fabric Structure & Design | 3 |
| TXE- 317 | Elements of Mechanical Engineering | 3 |
| TXE- 319 | Elements of Theory of Machine & Machine Design | 3 |
| TXE- 321 | Textile Testing & Quality Control- III | 3 |
| TXE- 316 | Fabric Structure & Design [lab] | 1.5 |
| TXE- 318 | Elements of Mechanical Engineering [lab] | 1.5 |
| TXE- 322 | Textile Testing & Quality Control- III [lab] | 1.5 |
| Total Credits | | 16.5 |

Semester 10

| Code | Course Title | Credits |
|----------------------|---|-------------|
| TXE- 401/3/5/7 | Yarn Manu/ Fabric Manu/ Wet Process/ Garments Manu Technology-III | 3 |
| TXE- 406 | Production Planning & Control | 3 |
| TXE- 411 | Industrial Management | 3 |
| TXE- 433/5/7/9 | Maintenance Engineering & Management of Textile Machinery (Yarn/Fabric/Wet/Garments) | 3 |
| TXE- 402/4/6/8 | Yarn Manu/ Fabric Manu/ Wet Process/ Garments Manu Technology-III [lab] | 1.5 |
| TXE- 434/6/8/440 | Maintenance Eng & Manag of Textile (Yarn/Fabric/Wet/Gmt)[lab] | 1.5 |
| TXE- 410 | Project – I | 1.5 |
| Total Credits | | 16.5 |

Semester 11

| Code | Course Title | Credits |
|----------------------|---|-------------|
| TXE-413/5/7/9 | Yarn Manu/ Fabric Manu/ Wet Process/ Garments Manu Technology-IV | 3 |
| TXE- 421 | Accounting & Marketing | 3 |
| TXE- 423 | Application of Computer in Textiles | 3 |
| TXE- 425/7/9/431 | High Performance Textile (Yarn/ Fabric/ Wet/Garments) | 3 |
| TXE- 414/6/8/420 | Yarn Manu/ Fabric Manu/ Wet Process/ Garments Manu Technology-IV [lab] | 1.5 |
| TXE- 424 | Application of Computer in Textiles [lab] | 1.5 |
| TXE- 422 | Project – II | 1.5 |
| Total Credits | | 16.5 |

Semester 12

| Code | Course Title | Credits |
|----------------------|-------------------------------------|----------|
| TXE- 426 | Industrial Training & Practices- I | 1.5 |
| TXE- 428 | Industrial Training & Practices- II | 1.5 |
| Total Credits | | 3 |

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