



### Tri - Semester

Spring : January - April

Summer : May - August

Fall : September - December



## Daffodil International University

### Permanent Campus:

Datta Para, Ashulia, Savar, Dhaka,  
Cell : 01833102806, 01847140068.

### Main Campus:

Daffodil Tower, 4/2, Sohbanbag, Mirpur Road, Dhanmondi, Dhaka,  
Tel : 48111639, 48111670, 9128705  
Cell : 01841493050, 01847140094, 01847140095  
01847140096, 01713493039, 01713493051

### Uttara Admission Office:

House # 4 & 6, Road # 7, Sector # 3, Uttara, Dhaka.  
Tel : 58954660, 58952010  
Cell : 01713493141, 01811458841.



# B.Sc. in Textile Engineering



**Daffodil**  
International  
University

Effective from  
Fall 2017

Apply Online  
<http://www.admission.daffodilvarsity.edu.bd>  
[www.daffodilvarsity.edu.bd](http://www.daffodilvarsity.edu.bd)

### Program Goal

The department of Textile Engineering offers the program of B.Sc. in Textile Engineering. The program has been designed to satisfy the growing demand of textile graduates for the local as well as global Textiles and Clothing Industries and Establishments. The program includes a variety of courses related to the field of Textiles and Clothing Engineering e.g. Production and Process Engineering of Textiles and Clothing materials, Mechanical Engineering, Electrical and Electronic Engineering, Computer System Engineering, Marketing and Merchandising of Textiles and Clothing products, Management of Textiles and Clothing Industries, Design and Development of Textiles and Clothing Products and Environmental studies etc.

### Eligibility for Admission/Admission Requirements

I) Students must be from science group with Physics, Chemistry & Math in both SSC & HSC or equivalent.

II) Minimum second division or (2.5 GPA on average) both in SSC and HSC.

III) Students with English medium background are encouraged to apply. Students who have completed "O" level (Minimum 5 subjects including Physics, Chemistry, Math and English should be

cleared) and "A" level (Minimum 2 subject including Physics, Chemistry and Mathematics) are eligible to apply. Out of these 7 subjects, 4 have to be minimum B and 3 have to be minimum C. Math and Biology must be included at A level. D grade is not acceptable. University Admission process will be followed strictly.

### Academic Session

Academic Session for all undergraduate programs extends over a period of 4 (four) academic years. One academic year is divided into three semesters beginning from January. Each semester is of 15 weeks duration with 13 weeks for class teaching, 1 (one) week break for examination preparatory leave, and 1 (one) week for conducting examinations.

### Total Credits Requirement and Duration of the Program:

To obtain the B.Sc in Textile Engineering (TE) degree a student will have to complete 154 credit hours with minimum CGPA 2.5. If students obtain poor grades or fails in any course he/she will get the opportunity to improve the grade by improvement exam or retaking the course in the subsequent semester.

### Some of our Key Strengths

All of our faculty members possess an excellent academic background and many of them have overseas qualifications from India, Germany, Japan, Sweden, United Kingdom and United States etc. There is no doubt in their motivation and commitments to lead and build the Department of Textile Engineering of DIU as one of the best Textile Departments in Bangladesh. It is our great pleasure to inform you that we have introduced M.Sc in Textile Engineering for the first time in Bangladesh in summer 2009.

### 1<sup>st</sup> SEMESTER: Level-1 Term-1

Course Code	Course Title	Credit Hours
ENG-111	English Language-I	3
TE-111	Textile Raw Materials-I	3
MAT-111	Mathematics-I	3
PHY-111	Physics – I	3
PHY-112	Physics – I (lab)	1
<b>Total</b>		<b>13</b>

### 2<sup>nd</sup> SEMESTER: Level-1 Term-2

Course Code	Course Title	Credit Hours
ENG-122	English Language-I I	3
MAT-122	Mathematics-II	3
PHY-122	Physics – II	3
PHY-123	Physics – II (lab)	1
CHE-124	Chemistry	3
CHE-125	Chemistry (lab)	1
<b>Total</b>		<b>14</b>

### Fee Structure of B.Sc in Textile Engineering program

Items of the Fees:	Amount
Admission Fee	15,000
Library Fee	3,000
Factory Visit Fee	5,000
Rover Scout & BNCC Fee	1,000
Student Smart Card (In Balance 200 TK)	1,000
Student life insurance	1,600
Tuition Fee for Theoretical Courses (122 cr hrs @ 2,700)	3,29,400
Tuition Fee for Laboratory Credits (29 cr hrs @4,000)	1,16,000
Semester Fee (12 Semesters @ Tk 5,500)	66,000
Development Fee (12 Semesters @ Tk 4,500)	54,000
Lab Fee (12 Semesters @ Tk 2,000)	24,000
Extracurricular Activities Fees (12 Semesters @ Tk 1,500)	18,000
Thesis Fee (3 credits.)	12,000
<b>Total payable (for 154 credits)</b>	<b>6,46,000</b>

**While taking admission, a student has to pay a total of Tk. 40,100/- which includes the following fees:**

Items of the Installment	Tk.
Admission Fee	15,000
Library Fee	3,000
Rover Scout & BNCC Fee	1000
Student Smart Card (In Balance 200 TK)	1000
Student life insurance	1600
Factory Visit Fee	5,000
Semester Fee	5,500
Development Fee	4,500
Lab Fee	2,000
Extracurricular Activities Fees	1,500
<b>Total Fee during admission</b>	<b>40,100</b>

### SEMESTER WISE FEES

Credit Hours	Total Payable	Registration Fee	Before Mid-Term Examination	Before Final Examination
Semester 1 (Level-1, Term-1)	76,500	40,100 Admission & Registration fee	18200	18200
Semester 2 (Level-, Term-2)	53,900	13500	20200	20200
Semester 3 (Level-1, Term-3)	49,800	13500	18150	18150
Semester 4 (Level-2, Term-1)	53,900	13500	20200	20200
Semester 5 (Level-2, Term-2)	55,100	13500	20800	20800
Semester 6 (Level-2, Term-3)	56,600	13500	21550	21550
Semester 7 (Level-3, Term-1)	57,900	13500	22200	22200
Semester 8 (Level-3, Term-2)	55,200	13500	20850	20850
Semester 9 (Level-3, Term-3)	49,900	13500	18200	18200
Semester 10 (Level-4, Term-1)	49,900	13500	18200	18200
Semester 11 (Level-4, Term-2)	53,800	13500	20150	20150
Semester 12 (Level-4, Term-3)	33,500	13500	10000	10000



### 3<sup>rd</sup> SEMESTER: Level-1 Term-3

Course Code	Course Title	Credit Hours
CSE-112	Computer Fundamentals	3
STA-131	Statistics & Probability	3
TE-132	Engineering Material	3
TE-133	Polymer Science	3
<b>Total</b>		<b>12</b>

### 4<sup>th</sup> SEMESTER: Level-2 Term-1

Course Code	Course Title	Credit Hours
GED-211	Bangladesh Studies	3
TE-211	Yarn Manufacturing – I	3
TE-212	Yarn Manufacturing – I (lab)	1
TE-213	Fabric Manufacturing – I	3
TE-214	Fabric Manufacturing – I (lab)	1
TE-215	Textile Chemistry	3
<b>Total</b>		<b>14</b>

### 5<sup>th</sup> SEMESTER: Level-2 Term-2

Course Code	Course Title	Credit Hours
TE-221	Textile Wet processing– I	3
TE-222	Textile Wet processing– I (lab)	1
TE-223	Textile Testing and Quality Control-I	2
TE-224	Textile Testing and Quality Control-I (lab)	1
TE-225	Engineering Drawing	3
TE-226	Textile Raw Materials-II	3
<b>Total</b>		<b>13</b>

### 6<sup>th</sup> SEMESTER: Level-2 Term-3

Course Code	Course Title	Credit Hours
TE-231	Apparel Manufacturing – I	3
TE-232	Apparel Manufacturing – I (lab)	1
TE-233	Manufacturing Engineering	3
TE-234	Manufacturing Engineering (lab)	1
TE-235	Engineering Ethics and Art of Living	3
MKT-231	Principles of Marketing	2
ACT-231	Principles of Accounting	2
<b>Total</b>		<b>15</b>

### 7<sup>th</sup> SEMESTER: Level-3 Term-1

Course Code	Course Title	Credit Hours
TE-311	Yarn Manufacturing – II	3
TE-312	Yarn Manufacturing – II (lab)	1
TE –313	Fabric Manufacturing – II	3
TE–314	Fabric Manufacturing – II (lab)	1
TE- 315	Textile Testing and Quality Control-II	3
TE-316	Textile Testing and Quality Control-II (lab)	1
TE- 317	Textile Physics	3
<b>Total</b>		<b>15</b>

### 8<sup>th</sup> SEMESTER: Level-3 Term-2

Course Code	Course Title	Credit Hours
TE-321	Textile Wet processing -II	3
TE-322	Textile Wet processing -II (lab)	1
TE-323	Fabric Design and Analysis	3
TE-324	Fabric Design and Analysis (lab)	1
TE-325	Basic Electrical and Electronic Engineering	2
TE-326	Basic Electrical and Electronic Engineering (lab)	1
TE-327	Textile Production Management	3
<b>Total</b>		<b>14</b>

### 9<sup>th</sup> SEMESTER: Level-3 Term-3

Course Code	Course Title	Credit Hours
TE-331	Apparel Manufacturing – II	3
TE-332	Apparel Manufacturing – II (lab)	1
HUM-333	Economics for Textile Engineers	3
TE-334	Elements of Machine Dynamics & Design	3
TE–335	Applications of Computer in Textile	3
<b>Total</b>		<b>13</b>

### 10<sup>th</sup> SEMESTER: Level-4 Term-1

Course Code	Course Title	Credit Hours
TE-411/ TE-413/ TE-415/ TE-417	Yarn Manufacturing – III (optional)/ Fabric Manufacturing – III (optional)/ Textile Wet processing -III (optional)/ Apparel Manufacturing – III (optional)	3
TE-412/ TE-414/ TE-416/ TE-418	Yarn Manufacturing – III (lab) (optional)/ Fabric Manufacturing – III (lab) (optional)/ Textile Wet processing -III (lab) (optional)/ Apparel Manufacturing – III (lab) (optional)	1
TE-419	Textile Testing and Quality Control-III	3
TE-4110	Textile Mill Utilities	3
TE-4111	Technical Textiles	3
<b>Total</b>		<b>13</b>

### 11<sup>th</sup> SEMESTER: Level-4 Term-2

Course Code	Course Title	Credit Hours
TE-421/ TE-423/ TE-425/ TE-427	Yarn Manufacturing – IV (optional)/ Fabric Manufacturing - IV (optional)/ Textile Wet processing - IV (optional)/ Apparel Manufacturing – IV (optional)	3
TE-422/ TE-424/ TE-426/ TE-428	Yarn Manufacturing – IV (Lab) (optional)/ Fabric Manufacturing - IV (Lab) (optional)/ Textile Wet processing - IV (Lab) (optional)/ Apparel Manufacturing – IV (Lab) (optional)	1
TE-429/ TE-4210/ TE-4211/ TE-4212	Specialized Yarn Production (optional)/ Specialized Fabric Production (optional) / Specialized Wet Processing (optional)/ Specialized Apparel Manufacturing (optional)	3
TE-4213	Textile & Environment	3
TE–4214	Project (Thesis)	3
<b>Total</b>		<b>13</b>

### 12<sup>th</sup> SEMESTER: Level-4 Term-3

Course Code	Course Title	Credit Hours
TE-431	Industrial Attachment	3
TE-432	Comprehensive Viva	2
<b>Total</b>		<b>5</b>