Tri - Semester

Spring : January - April
Summer : May - August
Fall : September - December

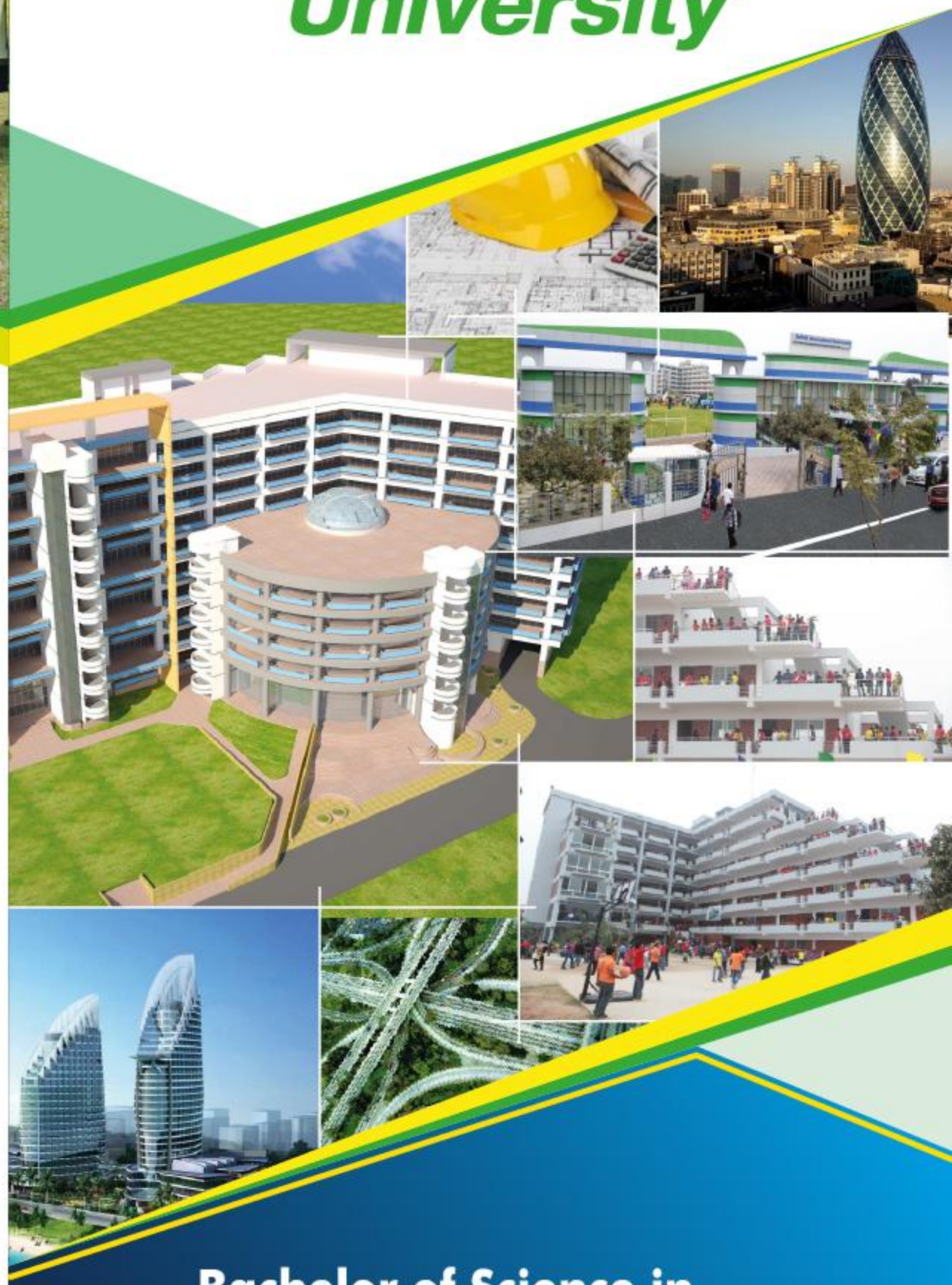
Daffodil International University

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.

Daffodil International University



Bachelor of Science in

CIVIL Engineering

(Evening program)

Effective from
Fall 2017

Apply Online
http://www.admission.daffodilvarsity.edu.bd
www.daffodilvarsity.edu.bd

Introduction:

Civil Engineering is very important for development of modern era. Modern infrastructure can not imagine without help of civil Engineering. Civil Engineering is introduced in Daffodil International University in 2015.The department got the approval from University Grants Commission of Bangladesh in the year 2015.

Mission Statement:

The Department of Civil Engineering provides an educational, professional, and intellectual experience that enables a diverse body of students, alumni, faculty, and staff to contribute to society through teaching, research, practice, and services.

Vision Statement:

The Department of Civil Engineering will develop internationally prominent educational and research programs that will contribute to the society and will emerge as a highly specialized field in the global context.

The Objectives:

Graduates will be prepared with a solid foundation in mathematics, sciences, and technical skills needed to analyze and design civil infrastructure systems. Graduates will possess strong written and oral communication skills. Graduates will be familiar with current and emerging civil engineering and global issues, and have an understanding of ethical and societal responsibilities. Graduates will have the ability to obtain professional licensure, and will recognize the need for engaging in life-long learning. Graduates will have the necessary qualifications for employment in civil engineering and related professions, for entry into advanced studies, and for assuming eventual leadership roles in their profession.

Eligibility for Admission:

Students having a minimum CGPA of 2.5 or second division both in SSC and Diploma in Engineering from different polytechnic institutes under the Bangladesh Technical Education Board (BTEB) can get admission. We encourage the holders of Diploma especially from Civil Engineering as well as from computer science, Electrical, Electronics, Mechanical, Construction technology etc. to apply for our B.Sc. in Civil Engineering Program. But other Diploma holders may also apply for this program.

Total Credit Requirements and Duration of the Program:

To obtain B.Sc. in Civil Engineering, Diploma holder students will have to complete 162 credits in 10 semesters with a minimum CGPA of 2.5. **Diploma holders from Civil Engineering** background will get a waiver of 26 credits. **So they will have to complete 162-26 = 136 credits.** Diploma holders from other discipline will also get waivers depending on the prior completion of the waived courses.

If students obtain poor grades or fails any course, he/she will get the opportunity to improve the grade by appearing at improvement exams or retaking the course in subsequent semester.

Course Title

1st Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
PHY 103	Physics - II	3	0	3
HUM 101	English	3	0	3
MATH 101	Mathematics I	3	0	3
CE 110	Civil Engineering Drawing II	0	3	1.5
CE 105	Engineering Mechanics	3	0	3
Total		12	3	13.5

10th Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
CE 400	Project and Thesis*	0	3	1.5
CE 415	Design of Steel Structure	3	0	3
CE 421	Water Resource Engineering II	3	0	3
CE 413	Structural Analysis and Design III	3	0	3
CE 401	Socio Economics of Development Project	2	0	2
CE 403	Engineering Ethics and Professional Practice	3	0	3
Total		11	3	15.5

(* 1.5 + 2 X 1.5 = 4.5 will be added to this semester)

Total Fees of B.Sc. in Civil Engineering Program

Items of the Fees:	Amount(Tk.)
Admission Fee	15,000
Library Fee	3,000
Student Smart Card (In Balance 200 TK)	1,000
Student Life Insurance	1,600
Rover Scout+ BNCC Fee	1,000
Tuition fees for Theory courses (109 Credits @ Tk.2,000)	2,18,000
Tuition Fee for Laboratory courses (22.5 Credits @ Tk.3,000)	67,500
Lab Fee (10 Semester @ Tk.2,000)	20,000
Semester Fee (10 Semester @ Tk.5,500)	55,000
Development Fee (10 Semester @ Tk.4,500)	45,000
Extracurricular Activities Fee (10 Semester @ Tk. 750)	7,500
Thesis & Project Fee (4.5 Credits@tk 2,000)	9,000
Total Payable (For 136 Credits)	**4,43,600**

While taking admission, a student has to pay a total of 34,350 which include the following fees:

Items of the Installment	Taka
Admission Fee	15,000
Library Fee	3,000
Student Smart Card (In Balance 200 TK)	1,000
Student Life Insurance	1,600
Rover Scout+ BNCC Fee	1,000
Semester Fee	5,500
Development Fee	4,500
Laboratory Fee	2,000
Extracurricular Activities Fee	750
Total Fee During Admission	**34,350**

Semester wise fees

Credit Hours	Total Payable (TK.)	Registration Fee	Before Mid-Term Examination	Before Final Examination
1st Semester(13.5 Credits)	62,850	34,350 (Admission & Registration Fee)	14,250	14,250
2nd Semester (13.5 Credits)	41,250	12,750	14,250	14,250
3rd Semester (13.5 Credits)	44,250	12,750	15,750	15,750
4th Semester (13.5 Credits)	41,250	12,750	14,250	14,250
5th Semester (12 Credits)	39,750	12,750	13,500	13,500
6th Semester (13.5 Credits)	44,250	12,750	15,750	15,750
7th Semester (13.5 Credits)	44,250	12,750	15,750	15,750
8th Semester (15 Credits)	44,250	12,750	15,750	15,750
9th Semester (12.5 Credits)	37,750	12,750	12,500	12,500
10th Semester (15.5 Credits)	43,750	12,750	15,500	15,500

2nd Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
CHEM 103	Chemistry II	3	0	3
CSE 201	Numerical Methods and Computer Programming	3	0	3
CSE 202	Numerical Methods and Computer Programming Lab	0	3	1.5
MATH 103	Mathematics II	3	0	3
EEE 101	Basic Electrical Technology	3	0	3
Total		12	3	13.5

3rd Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
MATH 201	Mathematics III	3	0	3
CE 201	Engineering Materials	3	0	3
CE 202	Engineering Materials Lab	0	3	1.5
CE 211	Mechanics of Solids I	3	0	3
CE 212	Mechanics of Solids I lab	0	3	1.5
CE 104	Practical Surveying*	0	3	1.5
Total		9	9	13.5

*3 weeks in field

4th Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
MATH 203	Mathematics IV	3	0	3
CE 213	Mechanics of Solids II	3	0	3
CE 221	Mechanics of Fluids	3	0	3
CE 222	Mechanics of Fluids Lab	0	3	1.5
HUM 201	Engineering Economics and Accounting	3	0	3
Total		12	3	13.5

5th Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
CE 313	Structural Analysis and Design I	3	0	3
CE 314	Structural Analysis and Design I Lab	0	3	1.5
CE 315	Design of Concrete Structure I	3	0	3
CE 316	Design of Concrete Structure I Lab	0	3	1.5
CE 233	Geology and Earthquake Engineering	3	0	3
Total		9	6	12

6th Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
CE 351	Transportation Engineering I (Transportation Planning and Traffic Engineering)	3	0	3
CE 352	Transportation Engineering I Lab	0	3	1.5
CE 341	Environmental Engineering I	3	0	3
CE 342	Environmental Engineering I Lab	0	3	1.5
CE 231	Geotechnical Engineering I	3	0	3
CE 232	Geotechnical Engineering I Lab	0	3	1.5
Total		9	9	13.5

7th Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
CE 317	Structural Analysis and Design II	3	0	3
CE 318	Structural Analysis and Design II Lab	0	3	1.5
CE 319	Design of Concrete Structure II	3	0	3
CE 333	Geotechnical Engineering II	3	0	3
CE 334	Geotechnical Engineering II Lab	0	3	1.5
CAD 102	Computer Aided Design Lab (ETABS)	0	3	1.5
Total		9	6	13.5

8th Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
CE 400	Project and Thesis*	0	3	1.5
CE 451	Transportation Engineering II: (Highway Design and Railway)	3	0	3
CE 441	Environmental Engineering II	3	0	3
CE 321	Water Resource Engineering I	3	0	3
CE 322	Water Resource Engineering I Lab	0	3	1.5
CE 311	Introduction to Soil Dynamics	3	0	3
Total		12	6	15

* Will be forwarded to the 10th Trimester

9th Semester

Course Code	Course Name	Contact Hours/ Week		Credits
		Theory	Lab	
CE 400	Project and Thesis*	0	3	1.5
CE 301	Construction Project Management	3	0	3
CE 443	Environmental Engineering III	3	0	3
CE 447	Climate Change and Sustainable Development	2	0	2
CE 414	Prestressed Concrete	3	0	3
Total		11	3	12.5

* Will be forwarded to the 10th Trimester