Tri - Semester

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

Bachelor of Science in CIVIL Engineering

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

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:
- Student having Minimum GPA 2.5 or Second division both in SSC and HSC from Science background or its equivalent background.
- Students who have completed 'O' level and 'A' level, must have completed minimum 5 subjects in 'O' level and 2 subjects in 'A' level. In 'O' level, students should have Physics, Chemistry, Mathematic , English and in 'A' level, students should have Physics, Chemistry and Mathematic. An applicant must have minimum 4 Bs and 3 Cs out of total seven subjects. Out of 7 subjects below C grade is not accepted.
- No appeared students are allowed.

1st Semester (Level-1, Term-1)

Course Code	Course Name	Credits hour Theory	Lab	Credits
PHY 101	Physics - I	3	0	3
PHY 102	Physics - lab	0	3	1.5
MATH 101	Mathematics I	3	0	3
CE 100	Civil Engineering Drawing I	0	3	1.5
CE 105	Engineering Mechanics	3	0	3
Total		**9**	**6**	**12**

2nd Semester (Level-1, Term-2)

Course Code	Course Name	Credits hour Theory	Lab	Credits
CHEM 101	Chemistry I	3	0	3
CHEM 102	Chemistry I Lab	0	3	1.5
MATH 103	Mathematics II	3	0	3
CE 110	Civil Engineering Drawing II	0	3	1.5
CE 103	Surveying	3	0	3
HUM 103	Sociology and Government	2	0	2
Total		**11**	**6**	**14**

3rd Semester (Level-1, Term-3)

Course Code	Course Name	Credits hour Theory	Lab	Credits
CSE 201	Numerical Methods and Computer Programming	3	0	3
CSE 202	Numerical Methods and Computer Programming Lab	0	3	1.5
PHY 103	Physics II	3	0	3
CHEM 103	Chemistry II	3	0	3
CE 104	Practical Surveying	0	3	1.5
HUM 101	English	3	0	3
Total		**12**	**6**	**15**

Fee Structure of B.Sc. in Civil Program

Items of the Fees:	Amount
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 (123 Credits @ Tk.2,500)	3,07,500
Tuition Fee for Laboratory courses (34.5 Credits @ Tk.3,000)	1,03,500
Lab Fee (12 Semester @ Tk.2,000)	24,000
Semester Fee (12 Semester @ Tk.5,500)	66,000
Development Fee (12 Semester @ Tk.4,500)	54,000
Extracurricular Activities Fee (12 Semester @ Tk. 1,500)	18,000
Thesis & Project Fee (4.5 Credits)	14,500
Total payable (for 162 credits)	**6,09,100**

While taking admission, a student has to pay a total of Tk. 35,100/- which includes the following fees:

Items of the Installment:	Tk.
Admission Fee	15,000
Library Fee	3,000
Student Smart Card (In Balance 200 TK)	1,000
Rover Scout+ BNCC Fee (500+500)	1000
Student Life Insurance	1,600
Semester Fee	5,500
Development Fee	4,500
Laboratory Fee	2,000
Extracurricular Activities Fee	1,500
Total Fee during admission	**35,100**

SEMESTER WISE FEES

Credit Hours	Total Payable	Registration Fee	Before Mid-Term Examination	Before Final Examination
Semester 1 (Level-1, Term-1)	66,600	35,100 Admission & Registration fee	15,750	15,750
Semester 2 (Level-, Term-2)	49,000	12,500	18,250	18,250
Semester 3 (Level-1, Term-3)	51,500	12,500	19,500	19,500
Semester 4 (Level-2, Term-1)	44,000	12,500	15,750	15,750
Semester 5 (Level-2, Term-2)	47,000	12,500	17,250	17,250
Semester 6 (Level-2, Term-3)	48,500	12,500	18,000	18,000
Semester 7 (Level-3, Term-1)	48,500	12,500	18,000	18,000
Semester 8 (Level-3, Term-2)	51,500	12,500	19,500	19,500
Semester 9 (Level-3, Term-3)	48,500	12,500	18,000	18,000
Semester 10 (Level-4, Term-1)	49,334	12,500	18,417	18,417
Semester 11 (Level-4, Term-2)	49,334	12,500	18,417	18,417
Semester 12 (Level-4, Term-3)	44,334	12,500	15,917	15,917

4th Semester (Level-2, Term-1)

Course Code	Course Name	Credits hour Theory	Lab	Credits
EEE 101	Basic Electrical Technology	3	0	3
MATH 201	Mathematics III	3	0	3
CE 201	Engineering Materials	3	0	3
CE 202	Engineering Materials Lab	0	3	1.5
CE 206	Quantity Surveying Lab	0	3	1.5
Total		**9**	**6**	**12**

5th Semester (Level-2, Term-2)

Course Code	Course Name	Credits hour Theory	Lab	Credits
HUM 201	Engineering Economics and Accounting	3	0	3
MATH 203	Mathematics IV	3	0	3
CE 211	Mechanics of Solids I	3	0	3
CE 212	Mechanics of Solids I lab	0	3	1.5
CE 233	Geology and Earthquake Engineering	3	0	3
Total		**12**	**3**	**13.5**

6th Semester (Level-2, Term-3)

Course Code	Course Name	Credits hour Theory	Lab	Credits
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
CE 231	Geotechnical Engineering I	3	0	3
CE 232	Geotechnical Engineering I Lab	0	3	1.5
CE 210	Details of Construction lab	0	3	1.5
Total		**9**	**9**	**13.5**

7th Semester (Level-3, Term-1)

Course Code	Course Name	Credits hour Theory	Lab	Credits
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 333	Geotechnical Engineering II	3	0	3
CE 334	Geotechnical Engineering II Lab	0	3	1.5
Total		**9**	**9**	**13.5**

8th Semester (Level-3, Term-2)

Course Code	Course Name	Credits hour Theory	Lab	Credits
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 301	Construction Project Management	3	0	3
CE 311	Introduction to Soil Dynamics	3	0	3
Total		**12**	**6**	**15**

9th Semester (Level-3, Term-3)

Course Code	Course Name	Credit Hour Theory	Lab	Credits
CE 317	Structural Analysis and Design II	3	0	3
CE 318	Structural Analysis and Design II Lab	0	3	1.5
CE 321	Water Resource Engineering I	3	0	3
CE 322	Water Resource Engineering I Lab	0	3	1.5
CE 319	Design of Concrete Structure II	3	0	3
CAD 102	Computer Aided Design Lab (ETABS)	0	3	1.5
Total		**9**	**9**	**13.5**

10th Semester (Level-4, Term-1)

Course Code	Course Name	Credit Hour Theory	Lab	Credits
CE 400	Project and Thesis*	0	3	1.5
CE 451	Transportation Engineering II: (Highway Design and Railway)	3	0	3
CE 452	Transportation Engineering II lab	0	3	1.5
CE 441	Environmental 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
Total		11	6	14

* Will be forwarded to the 12th semester

11th Semester (Level-4, Term-2)

Course Code	Course Name	Credit Hour Theory	Lab	Credits
CE 400	Project and Thesis*	0	3	1.5
CE 443	Environmental Engineering III	3	0	3
CE 444	Environmental Engineering II Lab	0	3	1.5
CE 414	Prestressed Concrete	3	0	3
CE 415	Design of Steel Structure	3	0	3
CE 447	Climate Change and Sustainable Development	2	0	2
Total		**11**	**6**	**14**

* Will be forwarded to the 12th semester

12th Semester (Level-4, Term-3)

Course Code	Course Name	Credit Hour Theory	Lab	Credits
CE 400	Project and Thesis	0	3	1.5
CE 421	Water Resource Engineering II	3	0	3
CE 422	Water Resource Engineering II Lab	0	3	1.5
CE 412	Finite Element Method	3	0	3
CE 403	Engineering Ethics and Professional Practice	3	0	3
Total		**9**	**6**	**12**

Distribution of Credits

Theory credits:	123
Practical credits:	34.5
Project & Thesis credits:	4.5
Total:	**162**