Tri-Semester

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

B.Sc. in
Software
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

Program Goal

The department of Software Engineering offers B.Sc. in Software Engineering. The program is designed to satisfy the growing demands of Software professionals throughout the country and to produce skilled manpower for global IT market. It provides the students an opportunity to obtain a broad knowledge of Software Engineering, Programming Manufacturing Engineering, Electrical Engineering, Computer Systems Engineering, Electronics Engineering and Software Management. The central goal is the generation of competent software engineering graduates to meet the increasing demands for the arena both in domestic an international markets.

Eligibility for Admission

Students having minimum 2.5 GPA both in SSC/Dakhil/Vocational and HSC/Alim/Vocational from Science group with minimum 'C' grade in Physics, Mathematics may apply for admission. Students completing five O-level subjects and at least two A-level subjects may apply. Out of these 7 subjects applicants must have minimum 4 'B' grade 3 'C' grade. The applicants must have Physics and Mathematics both at O-level and A-level.

Credit Hour Requirement and Duration of the Program

To obtain B.Sc. in Software Engineering, students will have to complete at least 139 credit hours with a minimum CGPA of 2.50. If any student fails in any course, he/she will get opportunity to improve the grade by retaking the same in the subsequent semesters. The program having 12 semesters normally extends over four academic years.

Admission Process

Student will be selected on the basis of past academic record and performance in admission test. Applicant finally accepted for the program will be notified of acceptance and registration within specific date. They will have to produce original certificate /testimonials and mark sheet/transcripts for all examination passed at the time of admission. Candidates who have completed the above formalities will have to pay requisite admission and other fees for enrollment.

Fee Structure of B.Sc in SWE program

Items of the Fees:	Amount
Admission Fee	15,000
Library Fee	3,000
Rover Scout & BNCC Fee	1,000
Student Smart Card (In Balance 200 TK)	1,000
Student Life Insurance	1,600
Tuition Fee for Core Course (111cr hr @ Tk. 3,200)	355,200
Tuition Fee for Laboratory Credits (19 cr hr @ Tk. 4,000)	76,000
Lab Fee (12 Semesters @ Tk. 2,000)	24,000
Semester Fee (12 Semesters @ Tk. 4,500)	66,000
Development Fee (12 Semesters @Tk. 4,500)	54,000
Extracurricular Activities Fee (12 Semesters @Tk. 1,500)	18,000
Project 1 & 2 Lab Base (6 Cr. Hr. @ Tk. 3,750)	22,500
Project/Thesis (3 Cr. Hr.)	12,000
Total payable (for 139 credits)	**6,49,300**

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
Rover Scout & BNCC Fee	1,000
Student Smart Card (In Balance 200 TK)	1,000
Student Life Insurance	1,600
Semester Fee	5,500
Development Fee	4,500
Laboratory Fee	2,000
Extra Curricular Activities Fee	1500
Total Fee during admission	**35,100**

*Admission Form price 1000/-

SEMESTER WISE FEES

Credit Hours	Total Payable	Registration Fee	Before Mid-Term Examination	Before Final Examination
Semester 1 (Level-1, Term-1)	71,900	35,100 Admission & Registration fee	18400	18400
Semester 2 (Level-, Term-2)	55,900	13500	21200	21200
Semester 3 (Level-1, Term-3)	55,900	13500	21200	21200
Semester 4 (Level-2, Term-1)	54,300	13500	20400	20400
Semester 5 (Level-2, Term-2)	55,900	13500	21200	21200
Semester 6 (Level-2, Term-3)	50,300	13500	18400	18400
Semester 7 (Level-3, Term-1)	55,900	13500	21200	21200
Semester 8 (Level-3, Term-2)	50,300	13500	18400	18400
Semester 9 (Level-3, Term-3)	57,550	13500	22025	22025
Semester 10 (Level-4, Term-1)	57,550	13500	22025	22025
Semester 11 (Level-4, Term-2)	50,300	13500	18400	18400
Semester 12 (Level-4, Term-3)	44,700	13500	15600	15600

Course Code	Title of the Courses	Theory +Lab	Total Credit
	1st Year, Semester-1		
SWE -112	Computer Fundamentals with lab	3+1	4
SWE- 111	Introduction to Software Engineering	3+0	3
PHY -114	Physics-I with lab	3+1	4
	Total		11

Course Code	Title of the Courses	Theory +Lab	Total Credit
	1st Year, Semester-2		
ENG123	English Language	3	3
MAT113	Mathematics-I (Calculus and Differential Equations)	3	3
SWE121	Software Requirement Analysis and Design	3	3
SWE122	Programming Language with Lab	3+1	4
	Total		13

Course Code	Title of the Courses	Theory +Lab	Total Credit
	1st Year, Semester-3		
MAT221	Mathematics-II	3	3
SWE231	Software Engineering Project-I	3	3
SWE133	Data Structure with Lab	3+1	4
STA134	Statistics & Probabilities	3	3
	Total		13

Course Code	Title of the Courses	Theory +Lab	Total Credit
	2nd Year, Semester-1		
SWE132	Java Programming with Lab	3+1	4
SWE213	Computer Algorithms with Lab	3+1	4
SWE211	Introduction to Database with Lab	3+1	4
	Total		12

Course Code	Title of the Courses	Theory +Lab	Total Credit
	2nd Year, Semester-2		
SWE233	Object Oriented Concept & Design with lab	3+1	4
SWE222	Software Engineering Quality Assurance & Testing	3	3
SWE223	Digital Electronics with Lab	3+1	4
SWE224	Discrete Mathematics	3	3
	Total		14

Course Code	Title of the Courses	Theory +Lab	Total Credit
	2nd Year, Semester-3		
SWE131	Documentation of Software Engineering	3	3
SWE232	Operating System with Lab	3+1	4
SWE212	Software Project Management	3	3
ACC 124	Principle of Accounting	3	3
	Total		13

Course Code	Title of the Courses	Theory +Lab	Total Credit
	3rd Year, Semester-1		
SWE323	System Analysis and Design	3	3
SWE312	Theory of Computing	3	3
SWE322	Software Security	3	3
SWE313	.Net Programming with Lab	3+1	4
	Total		13

Course Code	Title of the Courses	Theory +Lab	Total Credit
	3rd Year, Semester-2		
SWE321	Data Communication with Lab	3+1	4
SWE333	Desktop and Web Programming with Lab	3+1	4
SWE311	Computer Achitechture & Organization	3	3
SWE413	Software Engineering and Cyber Laws	3	3
	Total		14

Course Code	Title of the Courses	Theory +Lab	Total Credit
	3rd Year, Semester-3		
SWE412	Management Information System	3	3
SWE331	Object Oriented Software Development	3	3
SWE422	Numerical Analysis with Lab	3+1	4
SWE424	Artificial Intelligence with lab	3+1	4
	Total		14

Course Code	Title of the Courses	Theory +Lab	Total Credit
	4th Year, Semester-1		
SWE423	Advance Database Management System with Lab	3+1	4
SWE425	Telecommunication Engineering with Lab	3+1	4
SWE426	Distributive Computing and Network Security with Lab	3+1	4
SWE332	Software Engineering Project II (Web Programming)	3	3
	Total		15

Course Code	Title of the Courses	Theory +Lab	Total Credit
	4th Year, Semester-2		
SWE438	Internet Marketing with Lab	3+1	4
SWE439	Project/Thesis	3	3
	Total		7