



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.



M. Sc. in Computer Science & Engineering

Daffodil
International
University

Effective from
Fall 2017

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



Objectives of the M. Sc. Program

The M. Sc. Program in Computer Science and Engineering is designed to:

- Produce engineers with ability to apply technical knowledge and skills with creativity.
- Program the intellectual growth of the students admitted to the program.
- Develop competence necessary for effective computing involving computer hardware and software.
- Develop the research and analytical skills necessary for Computer Science and Engineering.
- Produce skilled professional to satisfy the growing demands of Computer Engineering expert in home and abroad.
- Provide the students an opportunity to obtain a broad knowledge in Computer
- Science and Engineering with some freedom to tailor the program according to the student's individual needs.

Eligibility for Admission

The requirements for admission to M. Sc Program in Computer Science and Engineering are:

- Completion of B. Sc degree with strong background of Physics and Mathematics from a university or an accredited institution of higher education.
- The applicant must have the CGPA of 2.5 or above (in a scale of 4.0), or at least second class in the B. Sc. degree.
- The applicant must have completed the enlisted prerequisite courses or their equivalent.
- Applicant, who has not completed the enlisted prerequisite course, will be admitted on condition that he/she will complete these courses in one or two semesters.

Evaluation of applicants for admission is based primarily on the student's academic record in relevant undergraduate coursework. Applicants are expected to have sufficient knowledge in undergraduate level mathematics and be familiar with common software Packages. Provisional admission can be given to an applicant awaiting the result of his/her B.Sc. degree.



Total Fees of MSc in CSE Program

Total cost of the M. Sc Program in Computer Science and Engineering will vary from Tk. 148,675 to Tk. 2,36,925

Items of the Fees:	36 Credit Hrs. (3 semesters) Minimum	60 Credit Hrs. (5 semesters) Maximum
Admission Fee	12,000	12,000
Library Fee	2,000	2,000
Rover Scout & BNCC Fee	500	500
Student Smart Card (In Balance 200 TK)	1000	1000
Student Group Life Insurance	800	800
Tuition Fee (Per credit Tk. 3,000)	1,08,000	1,80,000
Semester Fee (3/5 Semester Tk.4,000)	12,000	20,000
Development Fee (3/5 Semester @ 3,000)	9,000	15,000
Extra Curricular Activities Fee(3/4 Semester Tk. 1,125)	3,375	5,625
Total Payable:(For 36/60 Credits)	1,48,675	2,36,925

Fee of the 1st Semester:

(Considering , Admission Fee = Tk 12,000, Library Fee = Tk 3,000, Rover Scout & BNCC fee =Tk 500, Student Group Life Insurance 800, Theoretical credit hours @Tk 3,000, Semester Fee = Tk 4,000, Development Fee= Tk 3,000, Laboratory Fee = Tk 2,000, Extra Curricular Activities Fee = Tk 1,150; Student Smart Card (In Balance 200 TK)=Tk. 1000)

Fee of the 1st Semester

Credit Hours	Total Payable	At the time of Admission	Before Midterm	Before Final Exam
9 Credit	48,425	24,425	12,000	12,000
12 Credit	57,425	24,425	16,500	16,500

Fees of Subsequent Semesters

Credit Hours	Total Payable	Before Registration	Before Midterm	Before Final Exam
9 Credit	34,125	8,125	13,000	13,000
12 Credit	43,125	8,125	17,500	17,500



Credit Requirements and Duration of the Program

The summary of the total credit hours for the M. Sc. Program are given below :

Programs	Course	Credits	Total Credits
Project based	9 Courses	$(9 \times 3) = 27$	36 Credits
	Project	8	
	Seminer	1	
Thesis based	6 Courses	$(6 \times 3) = 18$	36 Credits
	Thesis	17	
	Seminer	1	

Students from academic discipline, other than CS/CSE or equivalent will be required to complete a maximum of 24 credit hours prerequisite courses in addition to the 36 credit hours mentioned above and hence need to complete total of 60 credit hours. The duration of the course may vary from three to six semesters depending on how many prerequisite courses a student has to undertake. Generally, students who have completed the prerequisite courses prior to admission should be able to complete the required program within three semesters.

Program Outline

Core Course (4 Courses, 12 Credits)

Course Code	Course Title	Credit Hours
CSE501	Advanced DBMS	3
CSE502	Advanced Artificial Intelligence	3
CSE503	Advanced Computer Architecture	3
CSE504	Software Development Methodology	3
CSE505	High-speed Computer Networks	3
CSE506	Microprocessor and Microcomputers	3
CSE507	Advanced Graph Theory	3



Elective Courses (Project based: 5 Courses, 15 Credits; Thesis based: 2 Courses, 6 Credits)

Course Code	Course Title	Credit Hours
CSE601	Computational Geometry	3
CSE602	Parallel and Distributed Systems	3
CSE603	Object Oriented Analysis and Design	3
CSE604	Speech and Language Processing	3
CSE605	Machine Translation	3
CSE606	Cryptography and Information Security	3
CSE607	Distributed Database System	3
CSE608	Wireless and Mobile Systems	3
CSE609	Computer Graphics & Visualization	3
CSE610	Electronic Commerce	3
CSE611	Web Programming	3
CSE612	Image Processing	3
CSE613	Embedded System Design	3
CSE614	Parallel Algorithms	3
CSE615	Advanced Digital Signal Processing	3
CSE616	Software Analysis and Design	3
CSE617	Advanced Optical Communication Systems	3
CSE618	Software Engineering Research Method	3
CSE619	Computer Systems Verification	3
CSE620	Software Project Management	3
CSE621	Machine Learning Technique	3
CSE622	Interactive Multimedia Design and Development	3

Prerequisite Courses (Academic Discipline other than CSE/CIS/CS): 24 Credits

Course Code	Course Title	Credit Hours
CSE131	Discrete Mathematics	3
CSE133	Data Structures with Lab	3+1=4
CSE212	Digital Logic Design with Lab	3+1=4
CSE221	Theory of Computing	3
CSE222	Object-oriented Programming with Lab	3+1=4
CSE233	Data Communication	3
CSE311	Database Management System with Lab	3+1=4
CSE321	Systems Analysis and Design	3
CSE322	Computer Architecture and Organization with Lab	3+1=4
CSE323	Operating Systems with Lab	3+1=4
CSE331	Compiler Design with Lab	3+1=4