

Program: CS (124)

Core 48 (39/48)

COD 12 (12/15)

Eng 101 3/3

Tarc 12/12

MNS 21/21

Elective 21 (18/21)

Thesis 4

Program: CS

Department: CSE

University Core (General Education)			39			
Stream	Course Code	Course Name	Credits	Grade	GP	Comments (if any)
Stream 1: Writing Comprehension	ENG 091	Foundation Course	0.0			
	ENG 101	English Fundamentals	3.0			
	ENG 102	English Composition I	3.0			
	ENG 103*	Advanced Writing Skills and Presentation*	3.0			*Only for ENG102 freshers
Stream 2: Math and Natural Sciences	MAT 092	Remedial Course in Mathematics	0.0			
	MAT 110	MATH I: Differential Calculus and Co-ordinate Geometry	3.0			
	PHY 111	Principles of Physics I	3.0			
	STA 201	Elements of Statistics and Probability	3.0			
	Optional: CHE101, BIO101, ENV103					
Stream 3: Arts and Humanities	HUM 103	Ethics and Culture	3.0			
	BNG 103	Bangla Language and Literature	3.0			
	Minimum one from: HUM101, HUM102, HST102, HST103, HST104, HUM207, ENG110, ENG113, ENG114, ENG115, ENG333					
Stream 4: Social Sciences	EMB 101 / DEV 101	Emergence Of Bangladesh / Bangladesh Studies	3.0			
	Minimum one from: PSY101, SOC101, ANT101, POL101, BUS201, ECO101, ECO102, ECO105, BUS102, POL102, POL103, POL201, POL202, PSY102, DEV104, DEV201, SOC201/ANT202, ANT342, ANT351, BUS333, BUS334, BUS335					
Stream 5: Communities, Seeking Transformation	Minimum one from: CST201, CST301, CST302, CST303, CST304, CST305, CST306, CST307, CST308, CST309, CST310					
GenEd Electives	After completing the minimum requirements (11 courses) above, there are 2 GenEd elective courses that students can take as per their desire from Streams 2, 3, 4 and 5 or any elective courses outside the CSE department.					

School Core			12			
	Course Code	Course Name	Credits	Grade	GP	Comments (if any)

	MAT 120	MATH II: Integral Calculus and Differential Equations	3.0			
	MAT 215	MATH III: Complex Variables and Laplace Transformations	3.0			
	MAT 216	MATH IV: Linear Algebra and Fourier Analysis	3.0			
	PHY 112	Principles of Physics II	3.0			

Program Core			48			
	Course Code	Course Name	Credits	Grade	GP	Comments (if any)
	CSE 110 / CSE 161 + CSE 162 L / EEE/ECE103 + EEE/ECE103 L	Programming Language I	3.0			
	CSE 111	Programming Language II	3.0			
	CSE 220	Data Structures	3.0			
	CSE 221	Algorithms	3.0			
	CSE 230	Discrete Mathematics	3.0			
	CSE 260 / EEE/ECE 283+EEE/ECE 283L / EEE 301 + EEE 302	Digital Logic Design	3.0			
	CSE 321	Operating System	3.0			
	CSE 330	Numerical Methods	3.0			
	CSE 331	Automata and Computability	3.0			
	CSE 340	Computer Architecture	3.0			
	CSE 370	Database Systems	3.0			
	CSE 420	Compiler Design	3.0			
	CSE 421	Computer Networks	3.0			
	CSE 422	Artificial Intelligence	3.0			
	CSE 423	Computer Graphics	3.0			
	CSE 470	Software Engineering	3.0			

Program Elective (Min 1 CSE, others maybe COD/GenEd/Minor/2nd Major)			21			
	Course Code	Course Name	Credits	Grade	GP	Comments (if any)
	CSE 474	Simulation and Modeling	3.0			
	CSE427	Machine Learning	3.0			
	CSE320	Data Communication	3.0			
	CSE424	Pattern Recognition	3.0			
	CSE449	Parallel, Distributed, and High-Performance Computing (HPC)	3.0			
	CSE463	Computer Vision	3.0			
	CSE391		3.0			

Project / Internship / Thesis			4			
	Course Code	Course Name	Credits	Grade	GP	Comments (if any)

	CSE 400	PROJECT & THESIS	4.0			
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