Bachelor of Science in Computer Science and Engineering (BSCSE)

Department of Electrical and Computer Engineering School of Engineering and Physical Sciences North South University Bashundhara, Dhaka-1229, Bangladesh

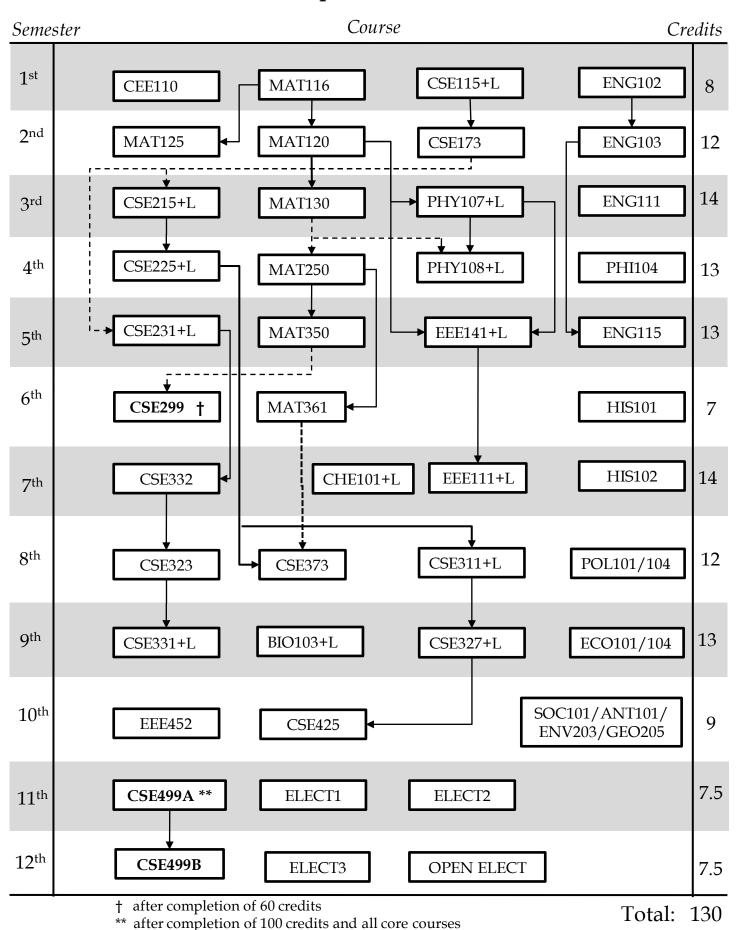
Total Credit Hours: 130 Semester/Year-wise breakdown of BSCSE courses

	Semester 1	Semester 2	Semester 3
1 st Year 2 nd Year	ENG 102 (3 cr.) MAT116 (0 cr.) CEE110 (1 cr.) CSE115 (4 cr.) PHI104 (3 cr.) MAT250 (3 cr.) PHY108 +CL (4 cr.) CSE225+IL (3 cr.)	ENG 103 (3 cr.) MAT120 (3 cr.) MAT 125 (3 cr.) CSE173 (3 cr.) ENG115 (3 cr.) MAT350 (3 cr.) CSE231+IL (3 cr.) EEE141 + CL (4 cr.)	ENG111 (3 cr.) MAT130 (3 cr.) PHY107+CL (4 cr.) CSE215+CL (4 cr.) HIS101 (3 cr.) MAT 361 (3 cr.) CSE299 (1 cr.)
3 rd Year	HIS102 (3 cr.) CHE 101+CL (4 cr.) EEE111 + CL (4 cr.) CSE 332 (3 cr.)	POL101/104 (3 cr.) CSE311+IL (3 cr.) CSE323 (3 cr.) CSE 373 (3 cr.)	ECO101/104 (3 cr.) BIO103+CL (4 cr.) CSE327 (3 cr.) CSE331 + IL (3 cr.)
4 th Year	SOC101/ANT101/ENV2 03 /GEO205 (3 cr.) EEE452 (3 cr.) CSE425 (3 cr.)	ELECT1 (3 cr.) ELECT2 (3 cr.) CSE499A (1.5 cr.)	ELECT3 (3 cr.) OPEN ELECT (3 cr.) CSE499B (1.5 cr.)

Semester-wise Subjective sequences of courses and Prerequisite list - BSCSE

SEM.	COURSE	Cr.	Cr./Sem.	PREREQUISITES
1 st	ENG102: Introduction to Composition	3		
	MAT116: Pre-Calculus	0	8	
	CEE110 (Engineering Drawing)	1	0	
	CSE115+CL: Programming Language I	4		
2 nd	ENG 103: Intermediate Composition	3		ENG102/Waiver
	MAT120: Calculus I	3	12	MAT116
	MAT 125: Linear Algebra	3		MAT116
	CSE 173: Discrete Mathematics	3		CSE115
3rd	ENG111: Public Speaking	3	14	
	MAT130: Calculus II	3		MAT120
	PHY107+CL: Physics I	4		MAT120
	CSE215 + CL : Programming Language II	4		CSE173
4 th	PHI104: Introduction to Ethics	3		
	MAT250: Calculus III	3	13	MAT130
	PHY108+CL: Physics II	4	13	MAT130 and PHY107
	CSE225 + IL : Data Structures and Algorithm	3		CSE215
5 th	ENG115: Literature	3		ENG103
	MAT350: Engineering Mathematics	3	13	MAT250
	EEE141 + CL: Electric Circuit I	4	13	PHY107 and MAT120
	CSE231 + IL: Digital Logic Design	3		CSE173
	HIS101: Bangladesh Culture and Heritage	3	7	
6 th	MAT 361: Probability and Statistics	3		MAT250
	CSE299: Junior Design	1		60 credits completed
7 th	HIS102: Introduction to World Civilization	3		
	CHE 101+CL: Chemistry I	4	14	MAT350
	EEE111 + CL: Analog Electronics I	4		EEE141
	CSE332: Computer Organization and Architecture	3		CSE231
8 th	POL101/POL104: Introduction to Political Science/	3		
	Governance			
	CSE311 + IL : Database Systems	3	12	CSE225
	CSE323: Operating Systems Design	3		CSE332
	CSE373: Design and Analysis of Algorithms	3		CSE225 and MAT361
9th	ECO101/ECO104: Introduction to	3		
	Microeconomics/Macroeconomics			
	BIO103+CL: Biology I	4	13	
	CSE327 : Software Engineering	3		CSE311
	CSE331: Microprocessor Interfacing and Embedded	3		CSE323
	System + IL			
	SOC101/ANT101/ENV203(GEO205): Introduction to	3		
10 th	Sociology/Anthropology/Bangladesh Geography		9	
	CSE425: Concepts of Programming Language	3		CSE327
	EEE452: Engineering Economics	3		
11 th	ELECT1	3		
	ELECT2	3	7.5	100 111 1
	CSE499A: Senior Design I	1.5		100 credits completed
12 th	ELECT3	3		
	OPEN ELECT	3	7.5	COTIONA
	CSE499B: Senior Design II	1.5		CSE499A

Recommended Sequence of Courses for BSCSE



BSCSE Curriculum - Approved by UGC, March 2015 - Effective from Fall 2014