

BS CSE- Program Curricula Structure - up to Fall 2017				
TOTAL CREDITS				136
Category		Course Code and Name		Credit Hours
UNIVERSITY CORE (General Education)				33
	Writing (2 courses - 6 credits)			6
		ENG 101	English Fundamentals	3
		ENG 102	English Composition	3
	Arts, Humanities, History, Social Sciences (2 courses - 6 credits)			6
		HUM 103	Ethics and Culture	3
		DEV 101	Bangladesh Studies	3
	Course Outside the Department - COD (7 courses - 21 credits)			21
	Student may take any non-overlapping course from other departments as COD course.			
	Some of the suggested COD courses are listed below:			
	ECO101 , ECO102 , BUS101 , BCH101 , BIO101, BUS201, BTE101, CHE101, CHE110, CHN101, FRN101, ANT101, GEO101, HST102, HUM101, LAW101, POL101, PSY101, SOC101, SOC201, ENV101/ ENV103, HUM111/HST407			
SCHOOL CORE (Mathematics, Science)				21
	MAT 110	Mathematics I	3	
	MAT 120	Mathematics II	3	
	MAT 215	Mathematics III	3	
	MAT 216	Mathematics III	3	
	PHY 111	Principles of Physics I	3	
	PHY 112	Principles of Physics II	3	
	STA 201	Elements of Statistics and Probability	3	
CSE PROGRAM CORE				75
	CSE 110	Programming Language I	3	
	CSE 111	Programming Language II	3	
	CSE 220	Data Structure	3	
	CSE 221	Algorithm	3	
	CSE 230	Discrete Mathematics	3	
	CSE 250	Circuits and Electronics	3	
	CSE 251	Electronic Devices and Circuits	3	
	CSE 260	Digital Logic Design	3	
	CSE 320	Data Communication	3	
	CSE 321	Operating Systems	3	
	CSE 330	Numerical Method	3	

Department of Computer Science and Engineering
School of Engineering and Computer Science

	CSE 331	Automata and Computability	3
	CSE 340	Computer Architecture	3
	CSE 341	Microprocessor	3
	CSE 350	Digital Electronics and Pulse Techniques	3
	CSE 360	Computer Interface	3
	CSE 370	Database Systems	3
	CSE 420	Compiler Design	3
	CSE 421	Computer Networks	3
	CSE 422	Artificial Intelligence	3
	CSE 423	Computer Graphics	3
	CSE 460	VLSI Design	3
	CSE 461	Digital System Design	3
	CSE 470	Software Engineering	3
	CSE 471	System Analysis and Design	3
PROJECT/INTERNSHIP/THESIS CSE 400			4
PROGRAM ELECTIVE - Take one (1) course from the following list			3
	CSE 310	Object Oriented Programming	3
	CSE 342	Computer Systems engineering	3
	CSE 390	Technical Communication	3
	CSE 391	Programming for the Internet	3
	CSE 392	Signals and Systems	3
	CSE 410	Advance Programming In UNIX	3
	CSE 419	Programming Languages	3
	CSE 424	Pattern Recognition	3
	CSE 425	Neural Networks	3
	CSE 426	Basic Graph Theory	3
	CSE 427	Machine Learning	3
	CSE 428	Image Processing	3
	CSE 429	Basic Multimedia Theory	3
	CSE 430	Digital Signal Processing	3
	CSE 431	Natural Language Processing	3
	CSE 432	Speech Recognition and Synthesis	3
	CSE 462	Fault Tolerant Systems	3
	CSE 472	Human Computer Interface	3
	CSE 473	Decision Support System	3
	CSE 474	Simulation and Modeling	3
	CSE 490	WAN Routing and Technologies (Special Topics)	3
	CSE 490	Special Topics	3
	CSE 491	Independent Study	3