

Abbreviated Degree		Discipline		Abbreviated Degree Programme		Semester		Course Name		Course Type		Course Code		Course Details		L - T - P		Course Credit		Sem Credit		CA Marks		ESE Marks		Total Marks		Sem Marks			
B.SCH		COMPUTER SCIENCE		BSCHCOS																		Practical		Theoretical							
B.SCH		COMPUTER SCIENCE		BSCHCOS		I		Programming Methodology		C	BSCHCOSC101		CC-1		4 - 0 - 4		6		22	30		10		20		40		100		250 + Marks of GEC	
								Computer System Architecture			BSCHCOSC102		CC-2		4 - 0 - 4		6			30		10		20		40		100			
								Choose from the Pool of Generic Elective Courses offered in 1st Semester by Honours Disciplines other than the Discipline in which Honours course is taken		GE		See Pool		GEC-1		See Pool		6		See Pool				Marks of GEC							
								Environmental Studies		AE		AEE101		AECC-1		4 - 0 - 0		4		10		40		50							
						II		Data Structure		C	BSCHCOSC201		CC-3		4 - 0 - 4		6		30		10		20		40		100		200 + Marks of GEC		
								Discrete Structures			BSCHCOSC202		CC-4		5 - 1 - 0		6		30		10		40		50						
								Choose from the Pool of Generic Elective Courses offered in 2nd Semester by Honours Disciplines other than the Discipline in which Honours course is taken		GE		See Pool		GEC-2		See Pool		6		See Pool				Marks of GEC							
								English/MIL Communication		AE		See Pool		AECC-2		4 - 0 - 0		4		10		40		50							
						III		Operating System		C	BSCHCOSC301		CC-5		4 - 0 - 4		6		30		10		20		40		100		350 + Marks of GEC		
								Algorithms			BSCHCOSC302		CC-6		4 - 0 - 4		6		30		10		20		40		100				
								Computer Networks			BSCHCOSC303		CC-7		4 - 0 - 4		6		30		10		20		40		100				
								Choose from the Pool of Generic Elective Courses offered in 3rd Semester by Honours Disciplines other than the Discipline in which Honours course is taken		GE		See Pool		GEC-3		See Pool		6		See Pool				Marks of GEC							
Programming in Java		(Any One)		SE				BSCHCOSSE301		SEC-1		0 - 0 - 8		4		30		20		50											
Python Programming						BSCHCOSSE302				0 - 0 - 8				30		20															
IV		Software Engineering		C	BSCHCOSC401		CC-8		4 - 0 - 4		6		30		10		20		40		100		350 + Marks of GEC								
		Database Management System			BSCHCOSC402		CC-9		4 - 0 - 4		6		30		10		20		40		100										
		Object Oriented Programming			BSCHCOSC403		CC-10		4 - 0 - 4		6		30		10		20		40		100										
		Choose from the Pool of Generic Elective Courses offered in 4th Semester by Honours Disciplines other than the Discipline in which Honours course is taken		GE		See Pool		GEC-4		See Pool		6		See Pool				Marks of GEC													
		Mobile Application Development		(Any One)		SE		BSCHCOSSE401		SEC-2		0 - 0 - 8		4		30		20		50											
Web Programming						BSCHCOSSE402				0 - 0 - 8				30		20															
V		Internet Technologies		C	BSCHCOSC501		CC-11		4 - 0 - 4		6		30		10		20		40		100		400								
		Artificial Intelligence			BSCHCOSC502		CC-12		4 - 0 - 4		6		30		10		20		40		100										
		Image Processing		(Any Two)		DSE		DSEC-1 & DSEC 2		6 X 2		4 - 0 - 4		30		10		20		40		100 X 2									
		Data Analytics										4 - 0 - 4		30		10		20		40											
		Computer Ethics										4 - 0 - 4		30		10		20		40											
		System Security										4 - 0 - 4		30		10		20		40											
		Human Computer Interface										4 - 0 - 4		30		10		20		40											
VI		Computer Graphics		C	BSCHCOSC601		CC-13		4 - 0 - 4		6		30		10		20		40		100		400								
		Machine Learning			BSCHCOSC602		CC-14		4 - 0 - 4		6		30		10		20		40		100										
		Modelling and Simulation		(Any Two)		DSE		DSEC-3 & DSEC 4		6 X 2		4 - 0 - 4		30		10		20		40		100 X 2									
		Theory of Computation										4 - 0 - 4		30		10		20		40											
		Data Mining										4 - 0 - 4		30		10		20		40											
		Cloud Computing										4 - 0 - 4		30		10		20		40											
		Internet of Things										4 - 0 - 4		30		10		20		40											
										148								1950 + Marks of GEC													

Abbreviations: C= Core; CC=Core Course; AE= Ability Enhancement; AECC= Ability Enhancement Compulsary Course; GE= Generic Elective; GEC= Generic Elective Course; SE= Skill Enhancement; SEC= Skill Enhancement Course; DSE= Discipline Specific Elective; DSEC= Discipline Specific Elective Course; CA= Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable

Generic Elective Courses (GEC) : Students of a particular Honours Course will choose from the Pool of Generic Elective Courses offered by Disciplines other than the Discipline in which Honours course is taken

Semesterwise Pool of Generic Elective Courses offered by this Discipline

Discipline		Semester		Course Name		Course Type		Course Code		Course Details		L - T - P		Course Credit		Sem Credit		CA Marks		ESE Marks		Total Marks		Sem Marks					
COMPUTER SCIENCE																		Practical		Theoretical									
COMPUTER SCIENCE		I		Programming Methodology		GE		BSCHCOSGE101		GEC-1		4 - 0 - 4		6		NA		30		10		20		40		100			
		II		Data Structure				BSCHCOSGE201		GEC-2		4 - 0 - 4		6				30		10		20		40		100			
		III		(Any One)				Operating System		BSCHCOSGE301		GEC-3		4 - 0 - 4				6		30		10		20		40		100	
								Computer Networks		BSCHCOSGE302		GEC-3		4 - 0 - 4				6		30		10		20		40			
		IV		(Any One)				Software Engineering		BSCHCOSGE401		GEC-4		4 - 0 - 4				6		30		10		20		40		100	
								Database Management System		BSCHCOSGE402		GEC-4		4 - 0 - 4				6		30		10		20		40			

Pool of Communication Courses offered as Ability Enhancement Compulsary Courses															
Discipline	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
										Practical	Theoretical	Practical	Theoretical		
English/MIL Communication	II	English Communication	(Any One)	AE	AECCE201	AECC-2	4 - 0 - 0	4	NA		10		40	50	NA
		Bengali Communication			AECCE201		4 - 0 - 0				10		40		
		Hindi Communication			AECCH201		4 - 0 - 0				10		40		
		Urdu Communication			AECCE201		4 - 0 - 0				10		40		