

B.Sc. Physical Science with Computer Science Three Year Course of Study (2019-2022)			Credits			
			Theory	Practical	Tutorial	Total
<b>Semester 1</b>						
<b>Core Course</b>	C1 Computer Science I	Problem Solving Using Computers	4	2		6
	C2 Physics I	Mechanics	4	2		6
	C3 Mathematics I	Calculus and Matrices	5		1	6
	AECC 1	Environmental Studies (EVS)	4			4
<b>Semester II</b>						
<b>Core Course</b>	C4 Computer Science II	Database Management Systems	4	2		6
	C5 Physics II	Electricity and Magnetism	4	2		6
	C6 Mathematics II	Calculus and Geometry	5		1	6
	AECC 2	English/ Hindi/ Sanskrit/ MIL/ Philosophy in Lieu	4			4
<b>Semester III</b>						
<b>Core Course</b>	C7 Computer Science III	Operating Systems	4	2		6
	C8 Physics III	Thermal Physics and Statistical Mechanics	4	2		6
	C9 Mathematics III	Algebra	5		1	6
	SEC 1 Computer Science	Data Analysis using Python Programming	2	2		4
<b>SEC</b>						
<b>Semester IV</b>						
<b>Core Course</b>	C10 Computer Science IV	Computer System Architecture	4	2		6
	C11 Physics IV	Wave and Optics	4	2		6
	C12 Mathematics IV	Real Analysis	5		1	6
<b>SEC</b>	SEC 2 Computer Science	Programming in Java	2	2		4
<b>Semester V</b>						
<b>DSE</b>	DSE 1 Computer Science I	Data Structures	4	2		6
	DSE 2 Physics I	Elements of Modern Physics	4	2		6
	DSE 3 Mathematics I	Differential Equations/ Mechanics and Discrete Mathematics	4 5	2		6
	SEC 3 Computer Science	Web Design using HTML5	2	2	1	4
<b>SEC</b>						
<b>Semester VI</b>						
<b>DSE</b>	DSE 4 Computer Science II	Computer Networks	4	2		6
	DSE 5 Physics II	Solid State Physics	4	2		6
	DSE 6 Mathematics II	Numerical Methods/ Probability and Statistics	4 5	2	1	6
<b>SEC</b>	SEC 4 Computer Science	PHP Programming	2	2		4
						132
<b>Note:</b> The College reserves the right to change the number of options offered and titles of specific papers in any semester, within the framework of the University of Delhi CBCS -LOCF based Syllabus.						