

B.Sc. (H) Physics Three Year Course of Study (2019-2022)			Credits			
			Theory	Practical	Tutorial	Total
Semester I						
Core Course	C1	Mathematical Physics I	4	2		6
	C2	Mechanics	4	2		6
	AECC 1	Environmental Studies (EVS)	4			4
GE	GE 1	Mathematics-I Calculus	5		1	6
Semester II						
Core Course	C3	Electricity and Magnetism	4	2		6
	C4	Waves and Optics	4	2		6
	AECC 2	English/Hindi/Sanskrit/ MIL/Philosophy in Lieu	4			4
GE	GE 2	Mathematics-II Linear Algebra	5		1	6
Semester III						
Core Course	C5	Mathematical Physics II	4	2		6
	C6	Thermal Physics	4	2		6
	C7	Digital Systems and Applications	4	2		6
GE	GE 3	Refer Table (page 35)				6
SEC	SEC 1	Basic Instrumentation Skills	2	2		4
Semester IV						
Core Course	C8	Mathematical Physics III	4	2		6
	C9	Elements of Modern Physics	4	2		6
	C10	Analog System and Applications	4	2		6
GE	GE 4	Refer Table (page 35)				6
SEC	SEC 2	Renewable Energy and Energy Harvesting	2	2		4
Semester V						
Core Course	C11	Quantum Mechanics and Applications	4	2		6
	C12	Solid State Physics	4	2		6
DSE	DSE 1	Advanced Mathematical Physics I	4	2		6
	DSE 2	Nuclear and Particle Physics	5		1	6
Semester VI						
Core Course	C13	Electromagnetic Theory	4	2		6
	C14	Statistical Mechanics	4	2		6
DSE	DSE 3	Advanced Mathematical Physics II	5	-	1	6
	DSE 4	Communication System	4	2		6
TOTAL						148

Note: 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 Syllabus.