

Details of course under B.Sc. (Hons.) Electronic Science			Credits			
			Theory	Practical	Tutorial	Total
<b>SEMESTER-I</b>						
<b>Core Course</b>	C-I	Basic Circuit Theory and Network Analysis	4	2		6
	C-II	Mathematics Foundation for Electronics	4	2		6
<b>AECC</b>	AECC-1	Environmental Science				2
<b>GE</b>	GE-1	Refer Table				6
<b>SEMESTER-II</b>						
<b>Core Course</b>	C-III	Semiconductor Devices	4	2		6
	C-IV	Applied Physics	4	2		6
<b>AECC</b>	AECC-2	MIL/ English Communications	2			2
<b>GE</b>	GE-2	Refer Table				6
<b>SEMESTER-III</b>						
<b>Core Course</b>	C-V	Electronic Circuits	4	2		6
	C-VI	Digital Electronics and VHDL	4	2		6
	C-VII	C Programming and Data Structures	4	2		6
<b>SEC</b>	SEC-1	Design and Fabrication of Printed Circuit Boards/Internet and Java Programming				2
<b>GE</b>	GE-3	Refer Table				6
<b>SEMESTER-IV</b>						
<b>Core Course</b>	C-VIII	Operational Amplifiers and Applications	4	2		6
	C-IX	Signals and Systems	4	2		6
	C-X	Electronic Instrumentation	4	2		6
<b>SEC</b>	SEC-2	Mobile Applications Development/Programming with LabVIEW				2
<b>GE</b>	GE-4	Refer Table				6
<b>SEMESTER-V</b>						
<b>Core Course</b>	C-XI	Microprocessors and Microcontrollers	4	2		6
	C-XII	Electromagnetics	4	2		6
<b>DSE</b>	DSE-1	Power Electronics	4	2		6
	DSE-2	Semiconductor Fabrication and Characterization /Digital Signal Processing	4	2		6
<b>SEMESTER-VI</b>						
<b>Core Course</b>	C-XIII	Communication Electronics	4	2		6
	C-XIV	Photonics	4	2		6
<b>DSE</b>	DSE-3	Electrical Machines	4	2		6

	DSE-4	Control Systems/ Transmission Lines, Antenna and Wave Propagation	4	2		6
<b>Total</b>						<b>140</b>

**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