

SYLLABUS FOR THE BACHELOR OF CRITICAL CARE TECHNOLOGY (CCT) COURSE

Category definition with credit breakup

Semester	Credit						
	CC	DSE	GE	AECC	SEC	USC	Total/Sem
First	12		4	2		2	20
Second	12	6	4	2	1	2	27
Third	12	6	4	2	1	2	27
Fourth	12	6	4	2	1	2	27
Fifth	18	6			1		25
Sixth	24						24
Total Credit/ Course	90	24	16	8	4	8	
Total Credit							150

CC: Core Courses; **GE:** General Elective; **AECC:** Ability Enhancement Compulsory Course;

SEC: Skill Enhancement Courses; **DSE:** Discipline Specific Elective; **USC:** University specified course

First Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester - I					
CC – 1	Human Anatomy	4	4	0	0
	Human Anatomy Lab	2	0	0	4
CC – 2	Human Physiology	4	4	0	0
	Human Physiology Lab	2	0	0	4
GE – 1	Generic Elective	4	4	0	0
AECC – 1	Communicative English – I	2	2	0	0
USC – 1	Foreign Language I	2	2	0	0
Total Credit = 20			Teaching Hour = 24		
Semester - II					
CC – 3	Biochemistry & Pathology	4	4	0	0
	Biochemistry & Pathology lab	2	0	0	4
CC – 4	Basic Nursing	4	4	0	0
	Basic Anaesthesia	2	2	0	2
DSE – 1	Mathematics and Statistics	4	4	0	0
	Mathematics and Statistics Lab	2	0	0	4
GE – 2	Generic Elective	4	4	0	0
AECC – 2	Communicative English – II	2	2	0	0
SEC – 1	Mentored Seminar – I	1	1	0	0
USC – 2	Foreign Language II	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

Second Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester - III					
CC – 5	Applied anatomy and physiology	4	4	0	0
	Applied anatomy and physiology lab	2	0	0	4
CC – 6	Clinical microbiology and pharmacology	4	4	0	0
	Clinical microbiology and pharmacology lab	2	0	0	4
DSE – 2	Fundamentals of Physics & Chemistry	4	4	0	0
	Fundamentals of Physics & Chemistry Lab	2	0	0	4
GE – 3	Generic Elective	4	4	0	0
AECC – 3	Environmental Science	2	2	0	0
SEC – 2	Mentored Seminar – II	1	1	0	0
USC – 3	Foreign Language III	2	2	0	0
Total Credit = 27			Teaching Hour = 33		
Semester – IV					
CC – 7	Fundamentals of electrical and electronics and application	4	4	0	0
	Fundamentals of electrical and electronics lab	2	0	0	4
CC – 8	Clinical Scenarios	4	4	0	0
	Clinical Scenarios lab	2	0	0	4
DSE – 3	Central Sterilization Supply Department (CSSD)	4	4	0	0
	Central Sterilization Supply Department (CSSD) - Lab	2	0	0	4
GE – 4	Generic Elective	4	4	0	0
AECC – 3	Community Health	2	2	0	0
SEC – 3	Mentored Seminar – III	1	1	0	0
USC – 4	Foreign Language – IV	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

Third Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester – V					
CC – 9	Advanced instrumentation & Maintenance	4	4	0	0
	Advanced instrumentation lab	2	0	0	4
CC – 10	Life support system I - Cardiovascular support	4	4	0	0
	Life support system I (Cardiovascular support) lab	2	0	0	4
CC – 11	Life support system II - Respiratory support	4	4	0	0
	Life support system I (Respiratory support) lab	2	0	0	4
DSE – 4	Basics of Computer Science	4	4	0	0
	Basics of Computer Science Lab	2	0	0	4
SEC – 4	Mentored Seminar – IV	1	1	0	0
Total Credit = 25			Teaching Hour = 33		
Semester – VI					
CC – 12	Advance Critical Care Management I	4	4	0	0
	Procedural skill	2	0	0	4
CC – 13	Advance Critical Care Management II – (Clinical Field)	4	4	0	0
	Medical Ethics – Case Study - Applied	2	0	0	4
CC – 14	Principals of management	4	4	0	0
	Case study	2	0	0	4
CC – 15	Project	6	0	0	12
Total Credit = 24			Teaching Hour 36		