

Academic Session: 2021-22

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

Category definition with credit breakup

Semester	Credit						Total/Sem
	CC	DSE	GE	AECC	SEC	USC	
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

And
Compulsory One year Internship

First Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester -I					
CC – 1	Basic Human Anatomy	4	4	0	0
	Basic Human Anatomy Lab	2	0	0	4
CC – 2	Basic Human Physiology	4	4	0	0
	Basic 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	Basic Biochemistry & Microbiology	4	4	0	0
	Basic Biochemistry & Microbiology Lab	2	0	0	4
CC – 4	Basic Nursing & Surgery	4	4	0	0
	Basic Nursing & Surgery Lab	2	2	0	2
DSE – 1	Fundamentals of Computer Science	4	4	0	0
	Fundamentals of Computer Science 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 Pathology and pharmacology	4	4	0	0
	Clinical Pathology and pharmacology Lab	2	0	0	4
DSE – 2	Basic Life Support	4	4	0	0
	Basic Life Support – Lab	2	0	0	4
GE – 3	Generic Elective	4	4	0	0
AECC – 3	Environmental Science- I	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	Basics of Clinical Psychology	4	4	0	0
	Basics of Clinical Psychology - Lab	2	0	0	4
CC – 8	Basic Critical Care Management	4	4	0	0
	Procedural skill I	2	0	0	4
DSE – 3	Basics of Clinical Nutrition	4	4	0	0
	Basics of Clinical Nutrition Lab	2	0	0	4
GE – 4	Generic Elective	4	4	0	0
AECC – 4	Environmental Science - II	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 Critical Care Management I	4	4	0	0
	Procedural skill II	2	0	0	4
CC – 10	Advanced Clinical Psychology	4	4	0	0
	Advanced Clinical Psychology Lab	2	0	0	4
CC – 11	Advanced Clinical Nutrition	4	4	0	0
	Advanced Clinical Nutrition Lab	2	0	0	4
DSE – 4	Community Health	4	4	0	0
	Community Health 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 II	4	4	0	0
	Procedural skill III	2	0	0	4
CC – 13	CSSD	4	4	0	0
	CSSD – Lab	2	0	0	4
CC – 14	Lab Sciences and Imaging Study	4	4	0	0
	Lab Sciences and Imaging Study Lab	2	0	0	4
CC – 15	Project	6	0	0	12
Total Credit = 24			Teaching Hour 36		

Academic Session: 2022-23

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

Category definition with credit breakup

Semester	Credit						Total/Sem
	CC	DSE	GE	AECC	SEC	USC	
First	18			2			20
Second	12	6	4	2	1		25
Third	12	6	4	2	1	2	27
Fourth	12	6	4	2	1	2	27
Fifth	12	6	4		1	2	25
Sixth	24					2	26
Total Credit/ Course	90	24	16	8	4	8	
Total Credit							150

CC: Core Courses; **GE:** General Elective; **AECC:** Ability Enhancement Compulsory Course;
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And
Compulsory One year Internship

First Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester -I					
CC – 1	Basic Human Anatomy	4	4	0	0
	Basic Human Anatomy Lab	2	0	0	4
CC – 2	Basic Human Physiology	4	4	0	0
	Basic Human Physiology Lab	2	0	0	4
CC – 3	Basic Instruments & Equipment	4	4	0	0
	Basic Instruments & Equipment lab	2	0	0	4
AECC – 1	Communicative English – I	2	2	0	0
Total Credit = 20			Teaching Hour = 24		
Semester –II					
CC – 4	Basic Biochemistry & Microbiology	4	4	0	0
	Basic Biochemistry & Microbiology Lab	2	0	0	4
CC – 5	Basic Nursing & Surgery	4	4	0	0
	Basic Nursing & Surgery Lab	2	2	0	2
DSE - 1	Basics of Clinical Psychology	4	4	0	0
	Basics of Clinical Psychology Lab	2	0	0	4
GE – 1	Generic Elective I	4	4	0	0
AECC- 2	Communicative English – II	2	2	0	0
SEC – 1	Mentored Seminar – I	1	1	0	0
Total Credit = 25			Teaching Hour = 31		

Second Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester –III					
CC – 6	Basic and Advance Life Support	4	4	0	0
	Basic and Advance Life Support – Lab	2	0	0	4
CC – 7	Clinical Pathology and pharmacology	4	4	0	0
	Clinical Pathology and pharmacology Lab	2	0	0	4
DSE – 2	Basics of Clinical Nutrition	4	4	0	0
	Basics of Clinical Nutrition Lab	2	0	0	4
GE – 2	Generic Elective II	4	4	0	0
AECC – 3	Environmental Science - I	2	2	0	0
SEC – 2	Mentored Seminar – II	1	1	0	0
USC – 1	Foreign Language I	2	2	0	0
Total Credit = 27			Teaching Hour = 33		
Semester – IV					
CC – 8	Advanced Clinical psychology	4	4	0	0
	Advanced Clinical psychology - Lab	2	0	0	4
CC – 9	Basic Critical Care Management	4	4	0	0
	Procedural skill I	2	0	0	4
DSE – 3	Community Health	4	4	0	0
	Community Health Lab	2	0	0	4
GE – 3	Generic Elective III	4	4	0	0
AECC – 4	Environmental Science - II	2	2	0	0
SEC – 3	Mentored Seminar – III	1	1	0	0
USC – 2	Foreign Language – II	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

Third Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester – V					
CC – 10	Advanced Critical Care Management I	4	4	0	0
	Procedural skill II	2	0	0	4
CC – 11	Clinical Medicine	4	4	0	0
	Clinical Medicine Lab	2	0	0	4
DSE – 4	Advanced Clinical Nutrition	4	4	0	0
	Advanced Clinical Nutrition Lab	2	0	0	4
GE – 4	Generic Elective IV	4	4	0	0
SEC – 4	Mentored Seminar – IV	1	1	0	0
USC – 3	Foreign Language – III	2	2	0	0
Total Credit = 25			Teaching Hour = 33		
Semester – VI					
CC – 12	Advance Critical Care Management II	4	4	0	0
	Procedural skill III	2	0	0	4
CC – 13	CSSD	4	4	0	0
	CSSD – Lab	2	0	0	4
CC – 14	Lab Sciences and Imaging Study	4	4	0	0
	Lab Sciences and Imaging Study Lab	2	0	0	4
CC – 15	Project	6	0	0	12
USC – 4	Foreign Language – IV	2	2	0	0
Total Credit = 26			Teaching Hour 38		

Academic Session: 2023-24

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

Category definition with credit breakup

Semester	Credit						
	CC	DSE	GE	AECC	SEC	USC	Total/Sem
First	18			2			20
Second	12	6	4	2	1		25
Third	12	6	4	2	1	2	27
Fourth	12	6	4	2	1	2	27
Fifth	12	6	4		1	2	25
Sixth	24					2	26
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

And

Compulsory One year Internship

First Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester -I					
CC – 1	Basic and Applied Human Anatomy	4	4	0	0
	Basic and Applied Human Anatomy Lab	2	0	0	4
CC – 2	Basic and Applied Human Physiology	4	4	0	0
	Basic and Applied Human Physiology Lab	2	0	0	4
CC – 3	Basic Instruments & Equipment	4	4	0	0
	Basic Instruments & Equipment lab	2	0	0	4
AECC – 1	Communicative English – I	2	2	0	0
Total Credit = 20			Teaching Hour = 24		
Semester –II					
CC – 4	Basic Biochemistry & Microbiology	4	4	0	0
	Basic Biochemistry & Microbiology Lab	2	0	0	4
CC – 5	Basic Nursing & Surgery	4	4	0	0
	Basic Nursing & Surgery Lab	2	2	0	2
DSE - 1	Basics of Clinical Psychology	4	4	0	0
	Basics of Clinical Psychology Lab	2	0	0	4
GE – 1	Generic Elective I	4	4	0	0
AECC- 2	Communicative English – II	2	2	0	0
SEC – 1	Mentored Seminar – I	1	1	0	0
Total Credit = 25			Teaching Hour = 31		

Second Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester –III					
CC – 6	Basic and Advance Life Support	4	4	0	0
	Basic and Advance Life Support – Lab	2	0	0	4
CC – 7	Clinical Pathology and pharmacology	4	4	0	0
	Clinical Pathology and pharmacology Lab	2	0	0	4
DSE – 2	Basics of Clinical Nutrition	4	4	0	0
	Basics of Clinical Nutrition Lab	2	0	0	4
GE – 2	Generic Elective II	4	4	0	0
AECC – 3	Environmental Science - I	2	2	0	0
SEC – 2	Mentored Seminar – II	1	1	0	0
USC – 1	Foreign Language I	2	2	0	0
Total Credit = 27			Teaching Hour = 33		
Semester – IV					
CC – 8	Advanced Clinical psychology	4	4	0	0
	Advanced Clinical psychology - Lab	2	0	0	4
CC – 9	Basic Critical Care Management	4	4	0	0
	Procedural skill I	2	0	0	4
DSE – 3	Community Health	4	4	0	0
	Community Health Lab	2	0	0	4
GE – 3	Generic Elective III	4	4	0	0
AECC – 4	Environmental Science - II	2	2	0	0
SEC – 3	Mentored Seminar – III	1	1	0	0
USC – 2	Foreign Language – II	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

Third Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester – V					
CC – 10	Advanced Critical Care Management I	4	4	0	0
	Procedural skill II	2	0	0	4
CC – 11	Clinical Medicine	4	4	0	0
	Clinical Medicine Lab	2	0	0	4
DSE – 4	Advanced Clinical Nutrition	4	4	0	0
	Advanced Clinical Nutrition Lab	2	0	0	4
GE – 4	Generic Elective IV	4	4	0	0
SEC – 4	Mentored Seminar – IV	1	1	0	0
USC – 3	Foreign Language – III	2	2	0	0
Total Credit = 25			Teaching Hour = 33		
Semester – VI					
CC – 12	Advance Critical Care Management II	4	4	0	0
	Procedural skill III	2	0	0	4
CC – 13	CSSD	4	4	0	0
	CSSD – Lab	2	0	0	4
CC – 14	Lab Sciences and Imaging Study	4	4	0	0
	Lab Sciences and Imaging Study Lab	2	0	0	4
CC – 15	Project	6	0	0	12
USC – 4	Foreign Language – IV	2	2	0	0
Total Credit = 26			Teaching Hour 38		