

Dr. D.Y. Patil School of Allied Health Sciences

**Dr. D. Y. Patil Vidyapeeth, Pune
(Deemed to be University)**



Programme Framework

**Bachelor of Science in Emergency
Critical Care Technology
(B.Sc. ECCT)**

First Year

First Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
BECCT 101	Introduction to Healthcare Delivery System in India	2	0	2	30	0	30	40	80	80	200
	Medical Terminology and record keeping (including anatomical terms)	1	0	1	15	0	15				
	Medical Law and Ethics	1	0	1	15	0	15				
	Introduction to Quality and patient safety	2	1	3	30	30	60				
BECCT 102	Basic computers and Information Science	1	1	2	15	30	45	30	60	60	150
	Research Methodology and Biostatistics	2	1	3	30	30	60				
BECCT 103	Basic English and Communication	2	0	2	30	0	30	40	80	80	200
	Professionalism and Values	1	1	2	15	30	45				
	Principles of Management	2	0	2	30	0	30				
BECCT 104	Community orientation and clinical visit	0	2	2	0	60	60				
Total		14	6	20	210	180	390	110	220	220	550

Second Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
BECCT 201	Human Anatomy and Physiology	6	2	8	90	60	150	40	80	80	200
BECCT 202	Biochemistry	2	1	3	30	30	60	40	80	80	200
BECCT 203	Basics of Medical Disorders	2	2	4	30	60	90	40	80	60	200
BECCT 204	BECCT Directed Clinical Education – part I (studentship)*	0	5	5	0	150	150	50	0	0	50
Total		10	10	20	150	300	450	170	240	240	650

Second Year Third Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
BECCT 301	Pathology	3	2	5	45	60	105	40	80	80	200
BECCT 302	Microbiology	3	2	5	45	60	105	40	80	80	200
BECCT 303	Pharmacology	3	2	5	45	60	105	40	80	80	200
BECCT 304	BECCT Directed Clinical Education – Part II (studentship)*	0	5	5	0	150	150	50	0	0	50
	Total	9	11	20	135	330	465	170	240	240	650

Fourth Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
BECCT 401	Introduction to Emergency Services	2	3	5	30	90	120	40	80	80	200
BECCT 402	Emergency Department Equipment	2	3	5	30	90	120	40	80	80	200
BECCT 403	Emergency Department Pharmacology	2	3	5	30	90	120	40	80	80	200
BECCT 404	BECCT Directed Clinical Education – part III (studentship)*	0	5	5	0	150	150	50	0	0	50
	Total	6	14	20	90	420	510	170	240	240	650

Third Year Fifth Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
BECCT 501	Medical Emergencies - I	2	4	6	30	120	150	40	80	80	200
BECCT 502	Trauma, burns and electrocution	2	3	5	30	90	120	40	80	80	200
BECCT 503	Paediatric Emergencies	1	3	4	15	90	105	40	80	80	200
BECCT 504	BECCT Directed Clinical Education – part IV (studentship)*	0	5	5	0	150	150	50	0	0	50
	Total	5	15	20	75	450	525	170	240	240	650

Sixth Semester

Course code	Course Title	Credit			Hours			Marks			
		Theory	Practical	Total	Theory	Practical	Total	Internal	Theory	Practical	Total
BECCT 601	Medical Emergencies - II	2	3	5	30	90	120	40	80	80	200
BECCT 602	Surgical Emergencies	2	3	5	30	90	120	40	80	80	200
BECCT 603	Psychiatric, Geriatric and Obstetric Emergencies	2	3	5	30	90	120	40	80	80	200
BECCT 604	BECCT Directed Clinical Education – part V (studentship)*	0	5	5	0	150	150	50	0	0	50
	Total	6	14	20	90	420	510	170	240	240	650

Fourth Year

Seventh and Eighth Semester

Course Title	Hours		
	Theory	Practical	Total
Internship and Project Work	0	1200	1200
Credits	40		