

Bachelor of Science (Honors) (Cardio-Vascular Technology)

SETS

SET 1

SET 1	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE*	ESE	INT	EXT	
	BCV 101	Foundations of Cardiovascular Science	Major	3	1	0	4	40	60	-	-	100
	BCV 102	Vital Signs and Management of Medical Emergencies	MC	1	0	0	1	40	60	-	-	100
	BCV 103	Healthcare Delivery System	IDC	2	1	0	3	40	60	-	-	100
	BCV 104	Digital Literacy	AEC	2	0	0	2	-	-	60	40	100
	BCV 105	Communication Strategies	SEC	2	1	0	3	-	-	60	40	100
	BCV 106	Environment Studies I	VAC	2	1	0	3	40	60	-	-	100
	BCV 101P	Foundations of Cardiovascular Science Lab	Major	0	0	6	3	-	-	60	40	100
BCV 102P	Vital Signs and Management of Medical Emergencies Lab	MC	0	0	2	1	-	-	60	40	100	
		Total	12	4	8	20	160	240	240	160	800	

*The marks will be divided as specified under clause 25UGAHP 5.2 of the policy document

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SET 2

SET 2	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 201	Cardiac Equipment and Procedures	Major	3	1	0	4	40	60	-	-	100
	BCV 202	Infection Control and Biomedical Waste Management	MC	1	0	0	1	40	60	-	-	100
	BCV 203	Hospital Services	IDC	2	1	0	3	40	60	-	-	100
	BCV 204	Business Communication	AEC	2	1	0	3	-	-	60	40	100
	BCV 205	Job Ready Skills I	SEC	2	0	0	2	-	-	60	40	100
	BCV 206	Environmental Studies II	VAC	2	1	0	3	40	60	-	-	100
	BCV 201P	Cardiac Equipment and Procedures Lab	Major	0	0	6	3	-	-	60	40	100
	BCV 202P	Infection Control and Biomedical Waste Management Lab	MC	0	0	2	1	-	-	60	40	100
		Total		12	4	8	20	160	240	240	160	800

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SET 3

SET 3	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 301	Therapeutics and Quality in Cardiovascular Care	Major	5	1	0	6	40	60	-	-	100
	BCV 302	Biochemistry and Microbiology I	MC	2	0	0	2	40	60	-	-	100
	BCV 303	Medical Law and Ethics	IDC	2	1	0	3	40	60	-	-	100
	BCV 304	Sales and Marketing	AEC	2	1	0	3	-	-	60	40	100
	BCV 305	Job Ready Skills II	SEC	2	0	0	2	-	-	60	40	100
	BCV 301P	Therapeutics and Quality in Cardiovascular Care Lab	Major	0	0	8	4	-	-	60	40	100
		Total		13	3	8	20	120	180	180	120	600

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SET 4

SET 4	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 401	Advanced Cardiovascular Practice and Management	Major	5	3	0	8	40	60	-	-	100
	BCV 402	Biochemistry and Microbiology II	MC	5	1	0	6	40	60	-	-	100
	BCV 403	Leadership Skills for Business Success	AEC	2	0	0	2	-	-	60	40	100
	BCV 401P	Advanced Cardiovascular Practice and Management Lab	Major	0	0	8	4	-	-	60	40	100
	Total			12	4	8	20	80	120	120	80	400

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SET 5

SET 5	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BCV 501	CVT On the Job Training I	Major/M C/SI	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

SET 6

SET 6	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BCV 601	CVT On the Job Training II	Major/M C/SEC	0	0	40	20	-	-	60	40	100
			0	0	40	20	-	-	60	40	100	

SET 7

SET 7	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BCV 701	CVT On the Job Training III	Major/M C	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

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SET 8

SET 8	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
								Theory		Practical		
				L	T	P		CAE	ESE	INT	EXT	
	BCV 801	CVT On the Job Training IV	Major/M C	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

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LEVEL 4.5

Candidates choosing the level 4.5 exit will study set 1 in semester I and set 5 in semester II

All candidates will be enrolled in the highest course.

Semester - I (Candidate will study set 1)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 101	Foundations of Cardiovascular Science	Major	3	1	0	4	40	60	-	-	100
	BCV 102	Vital Signs and Management of Medical Emergencies	MC	1	0	0	1	40	60	-	-	100
	BCV 103	Healthcare Delivery System	IDC	2	1	0	3	40	60	-	-	100
	BCV 104	Digital Literacy	AEC	2	0	0	2	-	-	60	40	100
	BCV 105	Communication Strategies	SEC	2	1	0	3	-	-	60	40	100
	BCV 106	Environmental Studies I	VAC	2	1	0	3	40	60	-	-	100
	BCV 101P	Foundations of Cardiovascular Science Lab	Major	0	0	6	3	-	-	60	40	100
BCV 102P	Vital Signs and Management of Medical Emergencies Lab	MC	0	0	2	1	-	-	60	40	100	
		Total		12	4	8	20	160	240	240	160	800

*Digital Literacy and Communication Strategies assessment will be practical viva based.

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1. If a candidate wants to exit for an UG Certificate after Semester I, then this SES will be followed for Semester II.
2. An exit request can be raised maximum before the start of Semester II.
3. In case a candidate raises a request for exit post the above-mentioned timeline, they can only opt for the next available exit stage.
4. If a candidate does not wish to either opt for the next available exit stage or continue with the program, no qualification to be awarded to the candidate.
5. Candidates to pass all previous exams of all previous semesters in order to be eligible for the internship semester.
6. In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.

Semester- II (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 501	CVT On the Job Training I	Major/MC/SI	0	0	40	20	-	-	60	40	100
		Total	0	0	40	20	-	-	60	40	100	

Candidates exiting the programme after securing 40 credits will be awarded a UG Certificate (Cardio-Vascular Technology) provided they secure 4 credits in work-based vocational courses offered during the summer term or an internship / Apprenticeship in addition to 6 credits from skill-based courses earned during the first and second semester.

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LEVEL 5

Candidates choosing the level 5 exit will study set 1 in semester I, set 2 in semester II, set 5 in semester III, and set 6 in semester IV
If a candidate wants to continue after Semester I, then this SET will be followed for Semester II

Semester- II (Candidate will study set 2)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 201	Cardiac Equipment and Procedures	Major	3	1	0	4	40	60	-	-	100
	BCV 202	Infection Control and Biomedical Waste Management	MC	1	0	0	1	40	60	-	-	100
	BCV 203	Hospital Services	IDC	2	1	0	3	40	60	-	-	100
	BCV 204	Business Communication	AEC	2	1	0	3	-	-	60	40	100
	BCV 205	Job Ready Skills I	SEC	2	0	0	2	-	-	60	40	100
	BCV 206	Environmental Studies II	VAC	2	1	0	3	40	60	-	-	100
	BCV 201F	Cardiac Equipment and Procedures Lab	Major	0	0	6	3	-	-	60	40	100
BCV 202F	Infection Control and Biomedical Waste Management Lab	MC	0	0	2	1	-	-	60	40	100	
Total				12	4	8	20	160	240	240	160	800

*Business Communication and Job Ready Skills I assessment will be practical viva based.

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1. If a candidate wants to exit for an UG Diploma after Semester II, then this SES will be followed for Semester III and Semester IV.
2. An exit request can be raised maximum before the start of Semester III.
3. In case a candidate raises a request for exit post the above-mentioned timeline, they can only opt for the next available exit stage.
4. If a candidate does not wish to either opt for the next available exit stage or continue with the program, no qualification to be awarded to the candidate.
5. Candidates to pass all previous exams of all previous semesters in order to be eligible for the internship semester.
6. In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.

Semester-III (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 501	CVT On the Job Training I	Major/MC/Sl	0	0	40	20	-	-	60	40	100
	Total			0	0	40	20	-	-	60	40	100

Semester-IV (Candidate will study set 6)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 601	CVT On the Job Training II	Major/MC/SEC	0	0	40	20	-	-	60	40	100
	Total			0	0	40	20	-	-	60	40	100

Candidates exiting the programme after securing 80 credits will be awarded a UG Diploma (Cardio-Vascular Technology) provided they secure an additional 4 credits in skill-based vocational courses offered during the first year or the second year summer term.

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LEVEL 5.5

Candidates choosing the level 5.5 exit will study set 1 in semester 1, set 2 in semester II, set 3 in semester III, set 5 in semester IV, set 6 in semester V, and set 7 in semester VI.

If a candidate wants to continue after Semester II, then this SET will be followed for Semester III.

Semester-III (Candidate will study set 3)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 301	Therapeutics and Quality in Cardiovascular Care	Major	5	1	0	6	40	60	-	-	100
	BCV 302	Biochemistry and Microbiology I	MC	2	0	0	2	40	60	-	-	100
	BCV 303	Medical Law and Ethics	IDC	2	1	0	3	40	60	-	-	100
	BCV 304	Sales and Marketing	AEC	2	1	0	3	-	-	60	40	100
	BCV 305	Job Ready Skills II	SEC	2	0	0	2	-	-	60	40	100
	BCV 301P	Therapeutics and Quality in Cardiovascular Care Lab	Major	0	0	8	4	-	-	60	40	100
	Total				13	3	8	20	120	180	180	120

*Sales and Marketing and Job Ready Skills II assessment will be practical viva based.

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- 1.
2. If a candidate wants to exit for 3 year UG programme after Semester III, then this SES will be followed for Semester IV, Semester V and Semester VI.
3. An exit request can be raised maximum before the start of Semester IV.
4. In case a candidate raises a request for exit post the above-mentioned timeline, they can only opt for the next available exit stage.
5. If a candidate does not wish to either opt for the next available exit stage or continue with the program, no qualification to be awarded to the candidate.
6. Candidates to pass all previous exams of all previous semesters in order to be eligible for an internship semester.
7. In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.

Semester-IV (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 501	CVT On the Job Training I	Major/MC/S	0	0	40	20	-	-	60	40	100
Total				0	0	40	20	-	-	60	40	100

Semester- V (Candidate will study set 6)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
BCV 601	CVT On the Job Training II	Major/MC/SE C	0	0	40	20	-	-	60	40	100	
Total				0	0	40	20	-	-	60	40	100

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Semester- VI (Candidate will study set 7)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 701	CVT On the Job Training III	Major/MC	0	0	40	20	-	-	60	40	100
	Total			0	0	40	20	-	-	60	40	100

Candidates who want to undertake a 3-year UG programme will be awarded a Bachelor of Science (Cardio-Vascular Technology) degree upon securing 120 credits

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LEVEL 6

Candidates choosing the level 6 exit will study set 1 in semester I, set 2 in semester II, set 3 in semester III, set 4 in semester IV, set 5 in semester V, set 6 in semester VI, set 7 in semester VII and set 8 in semester VIII

If a candidate wants to continue after Semester III, then this SET will be followed for Semester IV.

Semester - IV (Candidate will study set 4)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 401	Advanced Cardiovascular Practice and Management	Major	5	3	0	8	40	60	-	-	100
	BCV 402	Biochemistry and Microbiology II	MC	5	1	0	6	40	60	-	-	100
	BCV 403	Leadership Skills for Business Success	AEC	2	0	0	2	-	-	60	40	100
	BCV 401P	Advanced Cardiovascular Practice and Management Lab	Major	0	0	8	4	-	-	60	40	100
	Total			12	4	8	20	80	120	120	80	400

*Leadership Skills for Business Success assessment will be practical viva based.

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- Candidates to pass all previous exams of all previous semesters in order to be eligible for the internship semester.
- In case a candidate fails in any of the exams in any semester, s/he will get a chance to re-appear for the exams every six months.

Semester- V (Candidate will study set 5)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 501	CVT On the Job Training I	Major/MC/Sl	0	0	40	20	-	-	60	40	100
Total				0	0	40	20	-	-	60	40	100

Semester- VI (Candidate will study set 6)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 601	CVT On the Job Training II	Major/MC/SEC	0	0	40	20	-	-	60	40	100
Total				0	0	40	20	-	-	60	40	100

Semester - VII (Candidate will study set 7)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 701	CVT On the Job Training III	Major/MC	0	0	40	20	-	-	60	40	100
	Total			0	0	40	20	-	-	60	40	100

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Semester-VIII (Candidate will study set 8)	Course Code	Course Name	Course Type	Periods			Total Credits	Evaluation Scheme				Subject Total
				L	T	P		Theory		Practical		
								CAE	ESE	INT	EXT	
	BCV 801	CVT On the Job Training IV	Major/MC	0	0	40	20	-	-	60	40	100
		Total		0	0	40	20	-	-	60	40	100

Candidates will be awarded a Bachelor of Science (Honors) (Cardio-Vascular Technology) degree provided they secure 160 credits

Course Type Abbreviations:

Major: Major Courses

MC: Minor Courses

IDC: Inter-Disciplinary Courses

AEC: Ability Enhancement Courses

SEC: Skill Enhancement Courses

VAC: Common Values Added Courses

SI: Summer Internship

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