

BCA 2026 Course structure									
SEMESTER 1									
SL NO	TYPES OF COURSE	SUB CODE	SUB NAME	L	T	P	S	TOTAL CONTACT HRS	CREDIT POINTS
THEORY									
1	Computer Science & Application	BCACC101	Introduction to C Programming	3	1	0	0	4	4
2	Computer Science & Application	BCACC102	Digital Electronics	3	1	0	0	4	4
3	Computer Science & Application	BCACC103	Discrete Structure	3	1	0	0	4	4
4	Multidisciplinary	BCAMD101	Digital Marketing	3	1	0	0	4	4
5	Value Added Course	BCAESP101	General Studies & Current Affairs - I	2	0	0	0	3	2
PRACTICAL									
6	Computer Science & Application	BCACC191	Programming Lab with C	0	0	4	0	4	2
7	Computer Science & Application	BCACC192	Digital Electronics Lab	0	0	4	0	4	2
SESSIONAL									
8	Ability Enhancement	BCAAE181	Soft Skills	0	0	0	2	2	2
9	Value Added Course	BCAVE181	Indian Knowledge System	0	0	0	4	4	2
10	Skill Enhancement Course	BCASE181	Artificial Intelligence	0	0	0	2	2	2
MOOCS/MAR/IFC									
11	Value Added Course	MOOCs	Massive Open Online Course	0	0	0	0	0	0
12	Value Added Course	IFC	Industry and foreign certification	0	0	0	0	0	0
13	Value Added Course	MAR	Mandatory Additional Requirements (MAR)	0	0	0	0	0	0
14	Value Added Course	SAR	Skill Additional Requirement(SAR)	0	0	0	0	0	0
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BCA 2026 Course structure										
SEMESTER 2										
SL NO	TYPES OF COURSE	SUB CODE	SUB NAME	L	T	P	S	TOTAL CONTACT HRS	CREDIT POINTS	
THEORY										
1	Computer Science & Application	BCACC201	Data Structures	3	1	0	0	4	4	
2	Computer Science & Application	BCACC202	Object oriented programming	3	1	0	0	4	4	
3	Computer Science & Application	BCACC203	Computer Architecture	3	1	0	0	4	4	
4	Multidisciplinary	BCAMD201	Mathematics for Computing	3	1	0	0	4	2	
5	Value Added Course	BCAESP201	General Studies & Current Affairs -II	2	0	0	0	3	2	
PRACTICAL										
6	Computer Science & Application	BCACC291	Data Structures lab with C	0	0	2	0	4	2	
7	Computer Science & Application	BCACC292	Object oriented programming lab with C++	0	0	2	0	4	2	
SESSIONAL										
8	Ability Enhancement	BCAAE281	Principles of Management	0	0	0	2	2	2	
9	Value Added Course	BCAV281	Universal Human Values II	0	0	0	2	3	3	
MOOCS/MAR/IFC										
10	Value Added Course	MOOCs	Massive Open Online Course	0	0	0	0	0	0	
11	Value Added Course	IFC	Industry and foreign certification	0	0	0	0	0	0	
12	Value Added Course	MAR	Mandatory Additional Requirements(MAR)	0	0	0	0	0	0	
13	Value Added Course	SAR	Skill Additional Requirement(SAR)	0	0	0	0	0	0	
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BCA 2026 Course structure									
SEMESTER 5									
SL NO	TYPES OF COURSE	SUB CODE	SUB NAME	L	T	P	S	TOTAL CONTACT HRS	CREDIT POINTS
THEORY									
1	Computer Science & Application	BCACC501	Introduction to Machine learning	3	1	0	0	4	4
2	Multidisciplinary	BCAMD501	Software Engineering	3	1	0	0	4	4
3	Computer Science & Application	BCACL502	Introduction to Cloud Computing and visualization	3	1	0	0	4	4
4	Computer Science & Application	BCACS502	Introduction to Cyber Security	3	1	0	0	4	4
5	Computer Science & Application	BCAIR502	Introduction to IOT Architecture and Robotics	3	1	0	0	4	4
6	Computer Science & Application	BCAMM502	Introduction to Computer Graphics	3	1	0	0	4	4
7	Computer Science & Application	BCAQC502	Introduction to Quantum Computing	3	1	0	0	4	4
8	Computer Science & Application	BCAWP502	Introduction to web development using PHP and MySQL	3	1	0	0	4	4
9	Value Added Course	BCAESP501	General Studies & Current Affairs - V	2	1	0	0	3	2
PRACTICAL									
10	Computer Science & Application	BCACC591	Machine learning with Python lab	0	0	4	0	4	2
11	Computer Science & Application	BCACL592	Cloud Deployment Lab	0	0	4	0	4	2
12	Computer Science & Application	BCACS592	Cyber Security Lab	0	0	4	0	4	2

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BCA 2026 Course structure										
SEMESTER 6										
SL NO	TYPES OF COURSE	SUB CODE	SUB NAME	L	T	P	S	TOTAL CONTACT HRS	CREDIT POINTS	
THEORY										
1	Computer Science & Application	BCACC601	Advanced Database Management System with PL/SQL	3	1	0	0	4	4	
2	Computer Science & Application	BCACC602	Operation Research	3	1	0	0	4	4	
3	Computer Science & Application	BCA(CC)603	Security in Cloud Computing	3	1	0	0	4	4	
4	Computer Science & Application	BCA(CS)603	Network Security and Cryptography	3	1	0	0	4	4	
5	Computer Science & Application	BCA(IR)603	Robot Programming and Kinematics	3	1	0	0	4	4	
6	Computer Science & Application	BCA(MM)603	Introduction to 3D Modelling and Augmented Reality	3	1	0	0	4	4	
7	Computer Science & Application	BCA(QC)603	Quantum Information and Computation	3	1	0	0	4	4	
8	Computer Science & Application	BCA(WP)603	Advanced Web Programming Tools	3	1	0	0	4	4	
9	Value Added Course	BCAESP601	General Studies & Current Affairs -VI	2	1	0	0	2	2	
PRACTICAL										
10	Computer Science & Application	BCACC691	Advanced Database Management System lab	0	0	4	0	4	2	
11	Computer Science & Application	BCA(CC)693	Cloud Computing Tools and Applications	0	0	4	0	4	2	

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