

BCA Student Orientation Program – Session 2025

Date: 15 July 2025

Time: 9:30 AM

Venue: ICT Lab, B.A.M. Khalsa College, Garhshankar

Organized by: Department of Computer Science & Applications

About the Event:

The **BCA Student Orientation Program** is designed to welcome new students into the Bachelor of Computer Applications program. This orientation will help students understand the academic structure, departmental resources, industry opportunities, club activities, and college facilities.

Agenda Highlights:

- Welcome address by the Head of Department
 - Introduction to faculty and staff
 - Overview of the BCA curriculum and syllabus
 - Insight into department clubs (Website Design, Digital Marketing, Research Paper Writing, Graphics Design)
 - Information on internships, placements, and skill development
 - Interaction with senior students and alumni
 - Campus tour and facility briefing
 - Q&A
- session



▪ <https://gamma.app/docs/Navigating-Your-Computer-Science->

[Curriculum-l4e89892gjxl9gw?mode=present#card-ww3rrggbtql93p5](https://news.bamkc.edu.in/wp-content/uploads/2025/07/20250704110756-bcasemester1to42025-26.pdf)

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Sem	Level of Course	Course Code	Course Title	Credits			Total Credits
				Th	Pr	Total	
I	L-100	BCA-DSC-1 (Maj)-101	Introduction to Web Technologies	2	--	4	24
		BCA-DSC-1 (Maj)-101P	Practical Based on BCA-DSC-1 (Maj)-101	--	2		
		BCA-DSC-1 (Maj)-102	Fundamentals of Mathematical Statistics	4	--	4	
		BCA-DSC-1 (Min)-103	Problem Solving Through C	2	--	4	
		BCA-DSC-1 (Min)-103P	Practical Based on BCA-DSC-1 (Min)-103	--	2		
		CSA-MDC-101/201/301	E-Commerce	3	--	3	
		AEC-1-101	English-1	2	--	2	
		CSA-SEC-101/201/301	Computer Fundamentals and Personal Computing Software	--	3	3	
		PUN-COMPL-1-101/HCP-COMPL-1-101	Punjabi-1 / HCP-1	2	--	2	
		CSA-VAC-101/201/301/401	Introduction to Blockchain Technology	2	--	2	
		CSA-VAC-102/202/302/402	Introduction to Computer Hardware	2	--		
		CSA-VAC-103/203/303/403	Digital Empowerment	2	--		
		CSA-VAC-104/204/304/404	Ethics of Artificial Intelligence	2	--		

* One credit of theory lecture is of 1 hour duration and one credit of practical is of 2 hours duration.

A student can opt one MDC, SEC and VAC out of given options respectively, unless specified.

A student can opt for a MDC course subject to following conditions:

- a) The student must not have studied that course in 10+2 level.
- b) The student must not have taken that course as a core subject.

BCA 3rd Sem

Sem	Level of Course	Course Code	Course Title	Credits			Total Credits
				Th	Pr	Total	
III	L-200	BCA-DSC-3 (Maj)-301	Computer Architecture	4	--	4	24
		BCA-DSC-3 (Min)-302	Data Structures	2	--	4	
		BCA-DSC-3 (Min)-302P	Practical Based on BCA-DSC-3 (Min)-302	--	2		
		BCA-DSC-3 (Min)-303	Computer Oriented Numerical Methods	2	--	4	
		BCA-DSC-3 (Min)-303P	Practical Based on BCA-DSC-3 (Min)-303	--	2		
		BCA-DSC-3 (Maj)-304	Introduction to Machine Learning	4	--	4	
		AEC-3-301	English-3	2	--	2	
	L-100	CSA-MDC-103/203/303	Web Development/ Designing	--	3	3	
		CSA-SEC-103/203/303	Backend Web Development	--	3	3	

BCA 5th Sem

Bachelor of Computer Applications Semester – V

Paper Code	Title	L	T	P	Total	Int	Ext	Total	Exam. Duration	Credits
BCA-16-501	Computer Networks	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-502	Discrete Mathematical Structure	6	1	-	7	10	65	75	3 Hrs	3
BCA-16-503	Java Programming	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-504	Web Application Development using PHP	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-505	Lab based on BCA-16-503	-	-	6	6	-	50	50	4 Hrs	2
BCA-16-506	Lab based on BCA-16-504	-	-	6	6	-	50	50	4 Hrs	2
		24	1	12	37	40	360	400		16