



# BCA

Semester Wise Subjects in the  
 Entire Curriculum as per NEP 2020

Affiliated to M.J.P Rohilkhand University, Bareilly

### BCA 1st Year

BCA 1st Semester (ODD)		BCA 2nd Semester (EVEN)	
1	Computer Fundamental & PC Software	1	Data Structure Using C
2	Programming with C	2	Introduction to Database System
3	Basic Mathematics	3	Elective Paper
4	Principle of Management	4	Business Organization & Management
5	Communicative English	5	Digital Electronic
6	LAB : (Software Lab)	6	LAB : (DATA Structure)
7	LAB : (C Programming)	7	LAB : (RDBMS)

### BCA 2nd Year

BCA 3rd Semester (ODD)		BCA 4th Semester (EVEN)	
1	Object Oriented Programming Using JAVA	1	Programming in Python
2	Numerical Analysis & Statistical Techniques	2	Unix & Shell Programming
3	Elective Paper	3	Elective Paper
4	Operation System	4	Accounting & Financial Management
5	Computer Organization & Architecture	5	Computer Network
6	LAB : (JAVA Programming)	6	LAB : (Python Programming)
7	LAB : (NAST)	7	LAB : (Unix & Shell Programming)

### BCA 3rd Year

BCA 5th Semester (ODD)		BCA 6th Semester (EVEN)	
1	Artificial Intelligence	1	Introduction to Data Science
2	Web Technology	2	Cloud Computing
3	Elective Paper	3	Elective Paper
4	Computer Graphics & Animation	4	Internet of Things
5	LAB : (Web Technology)	5	LAB : (Data Science)
6	LAB : (Computer Graphics)	6	Major project
7	Industrial Training		

Now Students Not Having Maths Can also apply for BCA