B.C.A.

Bachelor of Computer Applications

Duration: 3 Years
Level: Graduation
Type: Degree
Eligibility: 10+2 or Equivalent

B.C.A. or **Bachelor of Computer Applications** is an undergraduate Information Technology course. Computer Applications or Application software is computer software designed to help the user to perform singular or multiple related specific tasks. The duration of Bachelor of Computer Applications is three years, divided into a number of semesters which are generally six in number. The course provides sound practical skills addressing problems which arise from computer systems and applications. Owing to the wide popularity amongst the students various Computer Science Schools have come up offering Computer Science graduate programs at par with B.C.A. B.C.A. can also be pursued through Distance Learning Programs by various Institutions.

B.C.A. Eligibility

- Bachelor of Computer Science requires a candidate to have passed HSC (10+2) exam from any stream with English as passing subject with minimum 45% marks at 12th standard.

Some of B.C.A. Specializations
- Computer Graphics
- Programming Languages
- Database Management
- Systems Analysis
- Word Processing

- Internet Technologies
- Accounting Applications
- Animation
- Music and Video Processing
- Personal Information Management

B.C.A. Syllabus

Syllabus of Computer Applications as prescribed by various Universities and Colleges.

Sem. I

Sr. No.	Subjects of Study
1	Business Communication
2	Principles of Management
3	Programming Principles and Algorithms
4	Computer Fundamental and Office Automation
5	Business Accounting
6	Computer Laboratory and Practical Work (OA+PPA)

Sem. II

1   Organizational Behaviour
2.   Elements of Statistics
3.   'C' Programming
4.   File Structure and Database Concepts
5.   Cost Accounting
6   Computer Laboratory and Practical Work (C.P.+DBMS)

Sem. III

1.   Numerical Methods
2.   Data Structure using C
3.   Software Engineering
4.   Management Accounting
5.   RDBMS
6.   Computer Laboratory and Practical Work (D.S.+RDBMS)

Sem. IV

1.   Networking

2. Visual Basic
3. Inventory Management (SAD)
4. Human Resource Management
5. Object Oriented Programming using C++
6. Computer Laboratory and Practical Work (VB+ C++)

Sem. V
1 NET Frameworks
2. Internet Programming and Cyber Law
3. Principals of Marketing
4. Core Java
5. Project work (VB)
6. Computer Laboratory and Practical Work (NET+Core Java)

Sem. VI
1. e-Commerce
2. Multimedia Systems
3. Introduction to System Pro and Operating Systems
4. Advance Java
5. Project Work (Banking & Finance, Cost Analysis, Financial Analysis, Payroll, EDP, ERP etc.)
6. Computer Laboratory and Practical Work (Multimedia+Advanced Java)

B.C.A. Colleges
  • [Bhavik College of Management and Information Technology](#), Chandigarh
  • [Apar India Institute of Management and Technology](#), Delhi
  • [Adarsh Mahila Mahavidyalaya](#), Bhiwani
  • [Al Ameen College Edathala](#), Ernakulam

B.C.A. Course Suitability
  • They should possess good interpersonal and communication skills, good browsing techniques and other its related things.

- Candidates must be known of parts of the Windows desktop, use the mouse; move and resize windows, basic document creation, view files, work with files, customize window and understanding other parts of the computer.
- They should have good typing speed skills which are necessary both during the course and career.
- Those who want to pursue their Master degree in the very subject also are suitable for the course.

How is B.C.A. Course Beneficial?

- The course provides a sound academic base from which an advanced career in Computer Application can be developed.
- Bachelor in Computer Application Students have a bright future in the IT field as they can take up ample jobs as Programmers and grow to become project managers.
- B.C.A. also paves way for a post graduation in the relevant field which is always preferred.
- B.C.A. provides substantial understanding of concepts in key areas of Computer Science.
- They can seek jobs both in public and private sectors, banking, insurance, accounting, stock markets, e-commerce and marketing.

B.C.A. Employment Areas

- Academic Institutions
- Software Developing Companies
- Web Designing Companies
- Systems Management Companies
- Banking Sector
- Insurance
- Accounting Dept.
- Stock Markets
- e-Commerce & Marketing Sector

B.C.A. Job Types

- Software Publisher

- Finance Manager
- Computer Programmer
- Teacher & lecturer
- Chief Information Officer
- Marketing Manager
- Business Consultant
- Computer Scientist
- Database Administrator
- Computer Systems Analyst
- Independent Consultant
- Computer Support Service Specialist
- Information Systems Manager
- Systems Administrator
- Computer Presentation Specialist
- Software Developer

Advance Course in B.C.A.

- [M.C.A. (Master of Computer Applications)](#)