Bachelor of computer science[BCS]

Stream-science

Course-general

Duration-3 years

Course type-under graduation

Bachelors of Computer Science Course Highlights

Course Level	Under Graduate
Duration	3 years
Examination Type	Semester Wise
Eligibility	A minimum score of 45% (Relaxable for reserved category students) marks in Class 12 or equivalent level.
Admission Process	Usually Merit Based
Course Fee	Under INR 50,000
Average Starting Salary	INR 3,50,000
Top Recruiting Companies	Amazon, Deloitte, CGI, Mindtree, Infosys, Cognizant, etc.

Job Position	Software Developer, IT Manager, Program Analyst, Software Tester, Website Designer, Web Developer, Systems Architect, etc.

Why study Bachelor of Computer Science?

- Computer science has been the most widely taken course out of all the technical courses that are offered at undergraduate level in India. In today's wired and digitized society computer programming knowledge and its utility is something that can't be undermined.
- Bachelor of Computer Science (BCS) course provides knowledge and skills to the students in regards to **computer basics**, **programming skills**, **hardware working**, **networking organization** etc. These skills and knowledge are provided to the students in the face of theoretical subjects and practical modules that are taught to the students during this course.
- The job market for any graduate from a computer science background is diverse. There is a huge scope in programming languages and its application these days. With the increase in a number of companies across India, the need for a good programmer and IT managers is increasing day by day.
- The earning potential and the scope for career growth is also increasing. You can earn as much as **INR 6-10 LPA** after getting 2-5 years of experience in this domain. The percentage hike is also a minimum of 30-40% which can be considered impressive if we consider the status of working professionals.
- Therefore, right now is the best time to study Bachelor of Computer Science because of the need for skillful candidates to fulfill the demands of the booming economy and newer technology in different industry sectors.

Bachelor of Computer Science Course Comparison

There are many Computer Science courses in India like BCS, **Bachelor of Computer Applications** and **BSc Computer Science**. They all are of 3 years with almost same career options. But there is a slight difference between them in terms of course curriculum and degree orientation.

Below we have discussed some of the basic differences between BCA, BCS and BSc CS courses:

Parameters	Bachelor of Computer Science (BCS)	Bachelor of Computer Application (BCA)	BSc Computer Science
Qualification	Computer Science	Computer Application	Computer Science
Orientation	Application oriented course	Application oriented course	Concept oriented course
Curriculum	Advanced knowledge about computers, including software and hardware and network studies	Development of Computer Applications like web, BI and ERP.	The curriculum is a mixture of concept based subjects which helps to
Subjects	Apart from computer programming, subjects such as internet communications, network and database administration, etc. are taught.	More practical knowledge of computer programming with the latest developments	Apart from theory subjects, More focus on PHP, SQL, Java, C, C++

Career options remain the same in case of BCA and BCS. BSc CS will lead you to be more skillful in basic and advance computer science concepts which will help you to grasp any concept quite easily. Some basic programming is also taught in BSc CS

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Bachelors of Computer Science Colleges

College	Location	Average Fees
The New College	Kolhapur	INR 18,000
Yashwantrao Chavan Institute of Science	Satara	INR 44,000
Dnyanopasak Shikshan Mandal's College of Arts, Commerce and Science	Parbhani	INR 54,000
Sir Sayyed College of Arts, Commerce and Science	Aurangabad	-
Smt. Kasturbai Walchand College	Sangli	INR 20,250
MSP Mandal's Shiv Chhatrapati College	Aurangabad	-
Yogeshwari Mahavidyalaya	Ambajogai	

Bachelors of Computer Science Syllabus and Course Details

The syllabus of Bachelor of Computer Science (BCS) course is divided into 6 semesters. BCS syllabus consists of various sub

The syllabus covers all the aspects related to computer science in a holistic manner so, as to provide a solid base and under

Following table lists common Bachelors of Computer Science subjects:

First Year Syllabus

Problem Solving Using Computers and 'C' Programming

Computer Science Practical Paper I

Mathematics Paper I

Second Year Syllabus

Data Structures using 'C'

Object Oriented Concepts using C++

Data structures Practicals and C++ Practicals

Mathematics Paper II

System Programming

Theoretical Computer Science

Computer Networks-I

Internet Programming- I

Programming in Java-I

Object-Oriented Software Engineering

System Programming Practicals

Java Programming Practicals

Bachelors of Computer Science Jobs and Salary

Bachelor of Computer Science (BCS) graduates have plenty of options to choose from in terms of their career. One can choose to work as a Software developer, IT Manager, Program Analyst, Software Tester, Website Designer etc.

Average Bachelor of Computer Science salary can be more than **INR 6 LPA**, which will eventually go higher with experience and skills.

To provide you a holistic view of the career prospects of this course we have tabled certain job positions and the respective roles attached to the same with an average salary package after completing your BCS course.

Job Position	Job Description	Average Salary
IT Project Manager	A job of IT project manager involves management, coordination and oversight of the human resource working on an IT project.	INR 14.8 LPA
Website Designer	The job involves one to design and articulate web pages on the website as per the need of the clients.	INR 2.8 LPA
Program Analyst	Program Analyst is involved in the task of study and analysis of programming codes so as to weed out any bug or redundancy.	INR 4 LPA
Data Analyst	A data analyst is involved in the analysis of digitally generated data so, as to bring out trends and patterns related to the provided set of data.	INR 4.2 LPA
Full Stack Web Developer	These web developers are proficient in both frontend and backend coding. They are mainly responsible for website efficiency and functionality.	INR 7 LPA
Software Engineer	They are mainly responsible for software solutions by studying system flow, needs, user interaction, etc.	INR 5 LPA
Systems Architect	They are responsible for the technical infrastructure of any company and its base, application and other related things.	INR 15 LPA
Mobile Application Developer	They are fully responsible for the working and handling of mobile application projects	INR 4.4 LPA

Data Engineer	They are mainly responsible for handing the working, architecture, construction of big databases.	INR 8.9 LPA

Bachelor of Computer Science Future Scope

Students have a bright future after studying Bachelor of Computer Science course. It's a world of technology and digital science, and with the boost in technology and economy, the number of programmers and developers required are day to day increasing.

We have already discussed the major job options that you can choose aright after completing BCS course. Here we will discuss, what you can do afterwards.

- Many people prefer to go for higher education and pursue Master of Computer Science (MCS) or **Master of Computer Applications** (MCA) to get a deeper subject knowledge and advance programming skills. It is not compulsory to pursue these courses as your programming knowledge and skills will only increase with experience, but many students like to go for these PG Computer Science course for better qualifications.
- If you want to pursue a managerial position in an IT company or software developing company, then you should definitely go for an **MBA** degree.
- There are various MBA specializations which you can pursue, but most related one is **MBA in IT**.
- If you don't want to invest 2 years of your time for higher studies, and want to excel in computer science field then you can also pursue **PG Diploma in Computer Applications**.
- Apart from these degree courses, you can also enroll for small certificate and diploma courses in programming languages to gain expertise in that field. Some of the most popular ones are **Certificate course in Java**, **Certificate course in C++**, Certificate course in Python, etc.
- You also have an option of studying abroad in countries like US, Canada, Germany, etc., which is considered the hub of technology creations and innovation in the world. You can study advance degrees in Computer Science Programming and Language, Data Science, Data Engineering, Artificial Intelligence, etc. and make your career in these advance technology fields.