

Parvathaneni Brahmayya
Siddhartha College of Arts and Science, Vijayawada
(Autonomous)

Programme: BSc Honours (Computer Science)

BSc Honours Computer Science, abbreviated as BSc CS, is a 4-year undergraduate program that deals with the subjects and topics related to computer science, computer applications, and its services. The main aim of this program is to create quality professionals and research fellows who can work in every sector of the world by implementing the technology of computer systems and software.

BSc Honours (Computer Science) Syllabus is a combination of core and optional subjects. BSc Computer science Subjects include Operating Systems concepts, Computer Network, Data Structures, System Programming, Numerical Analysis, System Analysis and design.

BSc Honours (Computer Science) Quick facts

Here are some of the important facts that the candidates must know about BSc Computer Science.

- The basic eligibility of the course is 50% marks in the 12th or equivalent exam in the science stream
- The BSc Honours (Computer Science) Syllabus contains subjects related to programming, computer networking, and architecture. The common subjects are Introduction to Data structures, system programming, introduction to web technology, and many more. Candidates after completing the course can opt for higher education. Some of the courses that a candidate can pursue are MSc Computer Science, MTech Computer Science, MBA Information Technology, etc.
- The course provides students a great deal to enter the real world where ambitious computer science professionals can showcase their skills as Software Developer, System Integrator, System Analyst among other job profiles.
- A BSc Computer Science graduate can earn a salary up to INR 6 lacs.

BSc Honours (Computer Science) Benefits

The following are the BSc Computer Science benefits that the candidates can avail if they take up the course:

- The Indian IT sector is expected to grow strongly in the coming years, and is estimated to contribute 10% to the nation's GDP. Thus, it increases the scope of job opportunities in the IT sector.
- The graduates of BSc Computer Science can land jobs in a wide range of companies such as computer hardware system companies, computer networking companies, software development companies, academic institutions and many more.
- Similarly, the graduates can make the world a safer place by taking the job of security engineers who protects people from hackers and other malicious software.
- The candidates would also be open to research because the field of study is continuously morphing.

Who Should Study BSc Honours (Computer Science)?

- Candidates who have an interest in computers, both hardware and software should pursue this course.
- Candidates who want to develop mobile applications or software that eases the life of people can pursue this course.
- Candidates who want to become entrepreneurs after completing their graduation can opt for this course. It allows them to start their own consultancy firms.
- Aspirants who are interested in improving their knowledge about computers to get a promotion or improve their career prospects can opt for distance or online courses.

BSc Honours (Computer Science) Jobs and Salary

This can be called one of the highest paying BSc specializations as the course leads to a number of jobs and career options which can get you an **average salary** of around **INR 6 Lakhs Per Annum**.

There are a number of job opportunities in sectors such as Banks, IT department in top MNCs, Technical Support, Software development, System Maintenance, Research & Development, Tech Consultancies, Security & Surveillance, and others.

Some of the major job profiles that a student can go for after the course completion are System Engineer, Software Engineer, Software Developer, Computer hardware Operator, etc.

The table below shows a detailed description of major job profiles after completing BSc Computer Science:

Job Positions	Job Description	Average Salary
Software Engineer	They are responsible for developing software solutions with the help of different methods and tools. They also prepare and install solutions by determining and designing programming, etc.	INR 5.10 LPA
Website Developer	Website Developers are responsible for the technical part of the website. They mainly write efficient code and follow best coding practices to develop different types of websites as needed by the employer.	INR 3.07 LPA
Mobile App Developer	Like Website developers, Mobile App developers are responsible to develop efficient applications for the mobile.	INR 4.41 LPA
IT Supervisor	An IT Supervisor is responsible for supervising the staff and training new recruits and making sure that the work is efficiently going on in the IT department of that company or organization.	INR 3.73 LPA
Network Engineer	They are the technical experts who are responsible for setting up computer networks and maintaining them.	INR 3.13 LPA
Technical Writer	Technical Writers prepare manuals, journal articles, and other supporting documents necessary in the technical field.	INR 4.89 LPA
Software Quality Assurance (SQA) Tester	SQA Testers usually evaluate software and applications for errors and make sure they are stable. They usually debug the scripts and identify the problems in it.	INR 3.35 LPA

BSc Honours (Computer Science) Scope

In terms of higher education, students can go for many relevant Master's degrees in subjects like Computer science, artificial intelligence, data science, and others.

MSc Computer Science	MSc Software Engineering	MSc Data Science
MSc Data Analytics	MSc Information Technology	MSc Cyber Security
MCA		

Other than this, you should get a certification in the latest technologies, emerging tools, and languages to stay updated with your skills and knowledge, which will help you in your career growth and better salary.

There are other options also available like **Master of Business Administration** (MBA) or **PGDM**, which can help you set your career in the management field, be it IT or any other sector.

BSc Honours (Computer Science) Admission Process

Admissions to **BSc Honours (Computer Science)** are done on the basis of merit. The government of Andhra Pradesh notifies the admission process and asks registration for convener quota of 105 seats. The remaining 45 seats will be in management quota. For management quota consult the college office or use chat bot for enquiry.

BSc Honours (Computer Science) Eligibility

Students who wish to pursue **BSc Honours (Computer Science)** courses should fulfil the following eligibility criteria in order to get through colleges offering **BSc Honours (Computer Science)**,

- They should clear their class 12th board exams from a recognized board

Proposed minors

Electronics / Cloud Computing /Cyber Securities /Data Science /Data Analytics / Security Analyst (SSC NASSCOM – Q0901).