**Bachelors in Computer Application(BCA)**

BCA is a three year undergraduate degree programme for candidates wishing to delve into the world of Computer languages. One of the most popular options to get started with a career in Information Technology, the course gives you an insight into the world of computers and its applications. A BCA degree is considered to be at par with a BTech/BE degree in Computer Science or Information Technology. The degree helps interested students in setting up a sound academic base for an advanced career in Computer Applications.

**Eligibility for BCA Course**

To pursue a BCA programme, one need not have Physics, Chemistry and Maths as subjects in Class 12th. Infact, candidates who have pursued Arts or Commerce in class XII can also join the course .

**Basic** **Eligibility requirements for a BCA course:**

Aspirants must have passed 10+2 from any stream with English as a subject with minimum 45% to 55% marks in aggregate (the pass percentage might vary from college to college)

While some colleges/universities admit aspirants on merit basis, the others admit students on the basis of personal interview and written examination.

Note: The eligibility criteria might differ from college to college.

**BCA Jobs & Top Companies**

In the ever growing IT industry, the demand for BCA graduates is increasing rapidly. With a BCA degree, candidates can find lucrative job opportunities in private as well public sector.

Some of the leading IT companies recruiting BCA graduates include Oracle, IBM, Infosys and Wipro. Government organizations like the Indian Air Force(IAF), Indian Army, and India Navy hire a large number of computer professionals for their IT department.Some of the job profiles that one can bag after completing a BCA programme is that of a:

System Engineer

Software Tester

Junior Programmer

Web Developer

System Administrator

Software Developer

As far as the salary is concerned, a fresher working for a leading MNC might get a salary ranging from Rs. 25,000 to Rs. 40,000 per month. However, it was reported that IT giants like Facebook, Microsoft etc pay a six figure salary to fresh graduates they hire.

**BCA+MCA (Bachelor+Master in Computer Applications)**

The BCA MCA course is a five years integrated course offered by various institutes in India and it is is designed to prepare students to face the different challenges one faces in the IT industry through excellent teaching methods and research-oriented programs. BCA MCA graduates can look for job opportunities in software development, web design, systems management, quality assurance, and software testing. An MCA BCA graduate can work in IT companies big and small in various roles.

**Eligibility Criteria for BCA MCA**

The admission for BCA MCA is based on the criteria where the aspirant must have passed Class XII from a recognized board. The aspirant must have studied mathematics, computer science, or information technology as Class XII subjects and must have scored at least 50% marks in Class XII.

**Jobs Roles offered**

Ample opportunities are available for aspirants who complete the five years BCA MCA course. Today's time are a technologically advanced age; there are many opportunities in the IT industry waiting for BCA MCA graduates. The BCA MCA graduates from India get well-paid jobs in foreign countries. There are several research-based jobs in computer languages and applications available for those who have finished this course. Also, there are software research-based jobs and core sector jobs that require a BCA MCA graduate. There are other jobs in computer research that have applications of the computer language and the same development.

Some of the job roles offered to BCA MCA graduates are:

Software Developer

Software Publisher

Software Application Architect

Software Consultant

Hardware Engineer

Web Designer/Web Developer

Senior Technical Consultant

Project Manager

**BSc./BSc.(Hons.) (Bachelor of Sci./Bachelor of Sci.(Hons.))**

B.Sc. (or B.Sc General) Bachelor’s degree and B.Sc. Bachelor’s degree (Hons), are both academic degrees given to undergraduate students. Here we're looking at the difference between the two academic degrees. B.Sc (Hons) is much more specialized as compared to the B.Sc (General) degree, and academically, B.Sc (Hons) is a more standard degree as compared to B.Sc (general).

BSc Hons or Bachelor of Science Honours is a 3-year undergraduate program that covers a wide range of disciplines in science such as Biology, Agriculture, Computer Science, Geography, Chemistry, etc.

BSc Honours degree holders have plenty of options to choose from in terms of their career. They can choose their career depending upon the specialization pursued.

One can easily find employment in different companies in roles as an Associate, or work as an Executive. You can also go for research jobs in the government sector or private sector.

**Following are some of the BSc eligibility criteria to be fulfilled by the candidates:**

The basic eligibility to take admission in BSc Honours course is 50% in Class XII in Science stream from a recognized board.

The students must have core subjects like Maths, Physics, Chemistry and Biology in their Higher Secondary level.

The age limit to take admission in BSc Hons courses is minimum or above 18 years.

**BSc Hons Jobs & Career**

After completing the BSc Honours course, students have the opportunity to work for a number of entry level job positions in the field of science.

The career that students choose mainly depends upon the specialization in which they have completed their honours degree.

Some of the common jobs that graduates can go for are Research Assistant, Executives, Research Fellows, Ecologist, Economist, Biochemist, Clinical Researcher, Lecturer, Teacher, etc.

**B.Math(Bachelor of Mathematics)**

A Bachelor of Mathematics is an undergraduate academic degree awarded for successfully completing a program of study in mathematics or related disciplines, such as applied mathematics, actuarial science, computer science or statistics. The Bachelor of Mathematics degree is frequently abbreviated as B.Math or BMath.

**Eligibility Criteria**

The eligibility criteria for admission into BA Mathematics will be different from college to college. The minimum eligibility criteria that is applicable to be admitted to the top colleges are as follows.

Candidates must be a 10+2 level pass out from a recognized board of education.

A minimum aggregate score of 50% plus must be scored.

The stream of education at 10+2 level must be Science or Commerce with Mathematics

**Job Prospects**

Upon graduating with a BA Mathematics degree, candidates choose to go into the job market and look for a suitable job profile or enroll in a higher education programme. Job options are numerous in a wide area of job areas, both Government and Private sectors.

BA Mathematics graduates are hired to various job profiles in both private and Government organizations. stream of education at 10+2 level must be Science or Commerce with Mathematics.

**B.Stat.(Bachelor of Statistics)**

B.Sc Statistics is a three-year graduation course that imparts knowledge about various disciplines of statistics. It involves the organization, college and interpretation of statistical data.

This course helps students with the in-depth knowledge of statistics, mathematics and risk assessment, combinations, permutations, for the successful career in management arena. The statistics application are used almost everyday and its solution can be applied to many fields such as economics, life sciences, data science, risk management, conflict management, marketing management

**Eligibility Criteria**

Candidates need to fulfil the following eligibility criteria in order to be admitted in B.Sc in Statistics:-

Candidates need to pass 10+2 examination or its equivalent qualification with minimum 50% marks from any recognized education board

Candidates must have passed 10+2 examination with Mathematics as their main subject.

**Career Options and Job Prospects**

After pursuing B.Sc in Statistics, candidates can bag jobs both in public and private sector. Students who are keen to pursue higher education in statistics can go for advanced courses such as M.Sc, M.Phil, & Ph.D.in statistics. Aspirants can even pursue Actuarial Science and start working in various financial and trading companies or can also find jobs in Banking, IT, & Quality Control. Some of the popular job areas for a statistics graduate are:

Banking Sector

Trading Companies

Stock Exchanges

Transportation Sector

Schools/Colleges

The entry-level salary of a candidate with B.Sc in Statistics graduate degree is between Rs. 3 lakh to Rs. 5 lakh. Following are the suitable job profiles for statistics graduate are:

Assistant Professor

Subject Matter Expert

Marketing Research Analyst

Statistics Manager

Actuary Manager

Research Assistant Manager

Marketing Assistant Manager

Credit Risk Strategist

Statistics Trainer

**BS-MS Integrated (Bachelor of Sci.-Master of Sci.Integrated)**

A BS (Bachelor of Science) + MS (Master of Science) is a five-year dual degree programme which is offered to bright students after class 12. A BS+MS dual degree programme provides training and learning with research in multidisciplinary subjects

**Eligibility Criteria:**

The eligibility criteria is as such that candidates who have passed class 12 or equivalent level exam with Science stream are eligible to apply for admission. However, admission will be done through the three channels as mentioned below:

Kishore Vaigyanik Protsahan Yojana (KVPY) Channel

Joint Entrance Examination (JEE-Advanced)

State and Central Boards Channel

**BS & MS Dual Degree Career Options and Statistics**

Job Title Related Dual Degree Median Salary (2019)\* Job Growth (2019-2029)\*

Software Developer BS/MS in Computer Science $107,510 22%

Engineering Professor BS/MS in Ocean Engineering $101,010 9%

Agricultural Engineer BS/MS in Agricultural Engineering$80,720 2%

Midwife BS/MS in Nursing $105,030 12%

Nurse Practitioner BS/MS in Nursing $109,820 52%

Sources: \*U.S. Bureau of Labor Statistics

**Bachelor of Business Administration in Information Technology (BBA IT)**

BBA IT stands for Bachelors of Business Administration Information Technology, it is an undergraduate course degree pursued by many individuals to work efficiently in the sector of business administration with special skills and emphasis on information technology.

Bachelor of Business Administration in Information Technology (BBA IT) is an undergraduate-level degree course taught in a number of management colleges in India. The course lies in a stream of management and is offered to the students of class 12th. The duration of BBA IT is 3 years, which are usually divided into a total of 6 semesters.

. **Eligibility Criteria**

The minimum criteria for applying to a BBA in Information Technology is a pass in 10+2 or an equivalent qualification from a recognized educational institution.

The candidates can be from any stream, be it arts, commerce or science.

Some colleges insist on 50% or more marks in 10+2.

Though not essential for all programs, the candidate should have competency in the English language or must have studied English in 10+2.

**BBA in IT Career Options and Job Prospects**

India is one of the largest markets for IT products and services in the world. Bangalore has already been dubbed the Silicon Valley of India and has seen rapid growth in the number of firms who are using information technology as a base or as an essential support to their business model. There are numerous jobs available in the market that are directly or indirectly generated from this requirement. Plus, the business application of technology is only expected to grow in the future, thus increasing the career scope and job opportunities for BBA IT graduates.

The requirements for professionals in the field of information technology can be in the core or support areas of businesses, depending upon the type of business. However, the demand and requirement for skilled technology-related support is expected to only grow with time. Therefore, the job market for BBA IT professionals is quite welcoming even for new candidates. What further increases the career scope for BBA IT is that its students can find job opportunities in the IT-support industry as well as core-level IT jobs in programming, network system creation, application programming etc. as well as in some other related areas such as web development, graphic designing etc.

Some of the major recruiting areas of BBA IT graduates include the following:

IT Departments of Companies

MNCs

E-Commerce Companies

IT Support in Government Departments

IT Consulting Companies

Tele-Communication Companies

The following job positions are available for BBA IT professionals.

IT Systems Designer

IT Manager

Network Security Analyst

Information Systems Manager

Application Programmer