BSC(H) COMPUTER SCIENCE

Dark Mode Light Mode

ELIGIBILITY CRITERIA

Should have secured :-

- 60% or more marks in Mathematics
- 60% or more marks in aggregate of four subjects including Mathematics, one language and two other subjects listed as Academic Subjects.

The admission would be based on the aggregate of marks scored in class XII in best four academic subjects inclusive of one language, Mathematics and two out of Physics, Chemistry and Computer Science/ Informatics Practices. The students from other streams, (with Mathematics in Class XII), will have a disadvantage of 2% in aggregate of required four subjects, i.e. Mathematics + one language + two academic subjects from those streams.

PAPER WITH NAMES AND CREDITS

Discipline Specific Core Papers (DSC): (Credit: 06 each) (1 period/ week for tutorials or 4 periods/week of practical)

- BHCS01 Programming Fundamentals using C++
- BHCS02 Computer System Architecture
- BHCS03 Programming in JAVA
- BHCS04 Discrete Structure
- BHCS05 Data Structures
- BHCS06 Operating System
- BHCS07 Computer Networks
- BHCS08 Design and Analysis of Algorithms
- BHCS09 Software Engineering
- BHCS10 Database Management Systems
- BHCS11 Internet Technologies
- BHCS12 Theory of Computation
- BHCS13 Artificial Intelligence
- BHCS14 Computer Graphics

Discipline Specific Elective Papers: (Credit: 06 each) (DSE-1, DSE-2, DSE-3, DSE-4)

DSE-1 (Choose any one))

- BHCS15A Data Analysis and Visualization
- BHCS15B System Programming
- BHCS15C Combinatorial Optimization

DSE – 2 (Choose any one)

- BHCS16A Digital Image Processing
- BHCS16B Microprocessors

DSE – 3 (Choose any one)

- BHCS17A Information Security
- BHCS17B Data Mining
- BHCS17C Advanced Algorithms

DSE – 4 (Choose any one)

- BHCS18A Machine Learning
- BHCS18B Deep Learning
- BHCS18C Unix Network Programming
- BHCS18D Project Work/ Dissertation

Other Discipline (Four papers of any one discipline) – GE 1 to GE 4 Skill Enhancement Courses (Credit: 04 each) (SEC – 1, SEC – 2)

SEC -1(Choose any one)

- BHCS19A Web Design and Development
- BHCS19B Programming in Python

SEC – 2(Choose any one)

- BHCS20A Android Programming
- BHCS20B Introduction to R Programming

FUTURE POSSIBILITIES AFTER THE COURSE

Computer Science provides various career options to the students. Students have always been on a look out for a course in computers; be it a full-fledged degree in the subject or a short-term course. If you are also among such students and wish to pursue a career in this subject, you can go for a B. Sc(H) in Computer Science .The course covers all aspects, right from the fundamentals to advanced courses such as Microprocessors, Network Programming, Graphics and so on .This way the course prepares anyone for higher education. As of now, there are many further options available for the students after completing this course. They take up the placements offered to them through campus placements. They enroll for M.Sc. (CS)/MCA course after completing B.Sc.(H) Computer Science. M.Sc. Computer Sc. and MCA courses of DU have 50 percent seats reserved for the students who have a B.Sc. (H) degree in Computer Science. Many of our students also enroll for MBA course after graduating from this course.