

B.Tech Computer Science and Engineering (CSE) syllabus

B Tech CSE syllabus is focused on the study of the hardware and networking domains of computer technology. It seeks to impart knowledge on developing sustainable working models that operate on the strategic integration of computing devices with technology to meet the operational needs of the modern work environment.

The **B.Tech** CSE course is designed to equip students with the knowledge of

1. Computer Architecture
2. Software Engineering
3. Processor Designs
4. Computer Networks

Along with the skills of programming and machine learning to expand their technological horizons.

The syllabus also imparts knowledge about specialized areas of study such as

1. Artificial Intelligence
2. The Internet Of Things
3. Algorithm Analysis
4. Digital Logic

To prepare them for coming-of-age technological needs as well as provides an opportunity for practical learning through Practice School.

The Practice School program bridges the gap between classroom learning and the professional world by way of structured mentoring supervised by renowned industry professionals. It helps the students to explore career opportunities and make a rational decision about their career advancement based on real-time working experience from top electronics and communication technology companies around the world.

The Computer Science and Engineering (CSE) course encourages the all-around development of students by teaching them about the implementation, and management of computer systems. Particular emphasis is laid on the study of human-computer interaction, development of communication and presentation skills so that the students not only possess sound technical knowledge and skills but

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also develop into socially responsible citizens.

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Semester 1 +				
Sem	Category	Sub-Category	Course Title	Credits
1	Co-Curricular			1
1	Perspective	School	Joy of Engineering – I	3
1	Skill	School	Communication Skills	1
1		School	Engineering Ethics	1
1	Foundation	School	Basic Electrical and Electronics Engineering	3
1		School	Mathematics for Engineers – I	2
1		School	Engineering Chemistry	1
1		School	Physics for Engineers	2
1		Program Specific	Fundamentals of Data Science	3
1		Program Specific	Object Oriented Programming using C++	4
Semester Total				21

Semester 2	+
Semester 3	+
Semester 4	+
Semester 5	+
Semester 6	+
Semester 7	+
Semester 8	+
[Basic] Core Electives Courses	+

Minor Program Courses [Elective]



FAQs

1) Is the BTech CSE Syllabus Hard?

BTech CSE syllabus is traditionally easier than other fields of engineering. However, due to the inclusion of complex mathematical formulae and concepts of science, it requires an individual to put in a lot of effort and dedication to excel in the field of computer science.

2) How many subjects are there in CSE?

3) What are the subjects in BTech Computer Science and Engineering?

4) What is the syllabus of BTech CSE 1st year?

5) What type of maths is in BTech CSE?

6) Is mathematics compulsory for CSE?

7) What is the semester-wise syllabus for Computer Science Engineering?

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