

**B.TECH., COMPUTER SCIENCE AND ENGINEERING  
I-SEMESTER**

<b>Subject Code</b>	<b>Subject Title</b>
BCSE 101	Technical English – I
BCSE 102	Mathematics – I
BCSE 103	Basic Electrical and Electronics Engineering
BCSE 104	Computer Fundamentals & ‘C’ Programming
BCSE 105	Basic Mechanical & Civil
BCSE 106	Engineering Mechanics
BCSE 107 P	Computer Practice Lab
BCSE 108 P	Communication Language Lab

**II-SEMESTER**

<b>Subject Code</b>	<b>Subject Title</b>
BCSE 201	Technical English – II
BCSE 202	Mathematics – II
BCSE 203	Electron Devices
BCSE 204	Entrepreneurship Engineering
BCSE 205	Engineering Graphics
BCSE 206	Programming Design and Development
BCSE 207 P	Workshop Practice
BCSE 208 P	Entrepreneurship Engineering Lab

## Semester - III

<b>Subject Code</b>	<b>Subject Name</b>
BCSE 301	Mathematics – III
BCSE 302	System Software
BCSE 303	Data Structures
BCSE 304	Digital Systems
BCSE 305	Computer Architecture and Organization
BCSE 306	Electronics Circuits
BCSE 307 P	System Software Lab
BCSE 308 P	Digital Lab
BCSE 309 P	Data Structures Lab

## Semester - IV

<b>Subject Code</b>	<b>Subject Name</b>
BCSE 401	Microprocessors
BCSE 402	Analog and Digital Communication
BCSE 403	Database Management Systems
BCSE 404	Object Oriented Programming
BCSE 405	Introduction to Analysis of Algorithms
BCSE 406	Artificial Intelligence
BCSE 407 P	Microprocessors Lab
BCSE 408 P	Object Oriented Programming Lab
BCSE 409 P	DBMS Lab

## Semester - V

Subject Code	Subject Name
BCSE 501	Visual Programming
BCSE 502	Digital Signal Processing
BCSE 503	Probability and Queuing theory
BCSE 504	Graphics and Multimedia
BCSE 505	Operating Systems
BCSE 506	Theory of Computation
BCSE 507 P	Graphics Lab
BCSE 508 P	Operating Systems Lab
BCSE 509 P	Visual Programming Lab

## Semester - VI

Subject Code	Subject Name
BCSE 601	Principles of Environmental Science And Engineering
BCSE 602	Computer Networks
BCSE 603	Principles of Compiler Design
BCSE 604	Software Engineering
BCSE 605	Discrete Mathematics
BCSE 606 E0	Elective – I
BCSE 607 P	Compiler Lab
BCSE 608 P	Network Programming Lab
BCSE 609 P	Mini Project – I (System Project)

## Semester - VII

Subject Code	Subject Name
BCSE 701	Total Quality Management
BCSE 702	Object Oriented System Analysis and Design
BCSE 703	Web Technology
BCSE 704 E01	Elective – II
BCSE 705 E02	Elective – III
BCSE 706	Principles of Management
BCSE 707 P	Internet Programming Lab
BCSE 708 P	Software Systems Development Lab

## Semester - VIII

Subject Code	Subject Name
BCSE 801	Project

*List of electives*  
*Semester – VI*

<b>Subject Code</b>	<b>Subject Name</b>
BCSE 606 E01	Numerical Methods
BCSE 606 E02	Resource Management Techniques
BCSE 606 E03	Advanced Databases
BCSE 606 E04	Advanced Java Programming
BCSE 606 E05	Distributed Systems
BCSE 606 E06	Cryptography and Network Security
BCSE 606 E07	Java Virtual Machine
BCSE 606 E08	TCP/IP Design and Implementation
BCSE 606 E09	Real Time Systems
BCSE 606 E10	Advanced Software Engineering
BCSE 606 E11	C# and .Net Programming

*Semester – vii*

<b>Subject Code</b>	<b>Subject Name</b>
BCSE 704 E01	High Performance Networks
BCSE 704 E02	Software Testing
BCSE 704 E03	Grid Computing
BCSE 704 E04	Component Based Technology
BCSE 705 E01	Software Quality Management
BCSE 705 E02	Neural Networks
BCSE 705 E03	High Speed Networks
BCSE 705 E04	Mobile Computing