

UNIVERSITY OF ENGINEERING & MANAGEMENT JAIPUR



B. Sc. Computer Science

(B.Sc. CS)

Curriculum

(AY 2026-2027 Admitted Students)

Semester-I

S. No.	Subject Code	Subject Name	L	T	P	Total Contact Hrs	Credit Points
Theory							
1	BSCCS101	Programming Fundamentals using C++	3	1	0	4	4
2	BSCCS102	Computer System Architecture	3	1	0	4	4
3	BSCCS103	General Studies & Current Affairs - I	3	1	0	4	4
4	BSCCS104	Indian Knowledge System	0	2	0	2	2
Practical							
5	BSCCS191	Programming Fundamentals using C++ Lab	0	0	2	2	2
6	BSCCS192	Computer System Architecture Lab	0	0	2	2	2
Sessional							
7	BSCCS193	Soft Skills	0	2	0	2	2
		Total	9	7	4	20	20

Semester-II

S. No.	Subject Code	Subject Name	L	T	P	Total Contact Hrs	Credit Points
Theory							
1	BSCCS201	Programming in Java	3	1	0	4	4
2	BSCCS202	Discrete Structure	3	1	0	4	4
3	BSCCS203	General Studies & Current Affairs - II	3	1	0	4	4
4	BSCCS204	Universal Human Values	0	2	0	2	2
Practical							
5	BSCCS291	Programming in Java Lab	0	0	2	2	2
6	BSCCS292	Discrete Structure Tutorial	0	0	2	2	2
Sessional							
7	BSCCS293	Programming in Python	0	2	0	2	2
		Total	9	7	4	20	20

Semester-III

S. No.	Subject Code	Subject Name	L	T	P	Total Contact Hrs	Credit Points
Theory							
1	BSCCS301	Data Structures	3	1	0	4	4
2	BSCCS302	Operating System	3	1	0	4	4
3	BSCCS303	Computer Networks	3	1	0	4	4
4	BSCCS304	General Studies & Current Affairs -III	3	1	0	4	4
Practical							
5	BSCCS391	Data Structures Lab	0	0	2	2	2
6	BSCCS392	Operating System Lab	0	0	2	2	2
7	BSCCS393	Computer Networks Lab	0	0	2	2	2
Sessional							
8	BSCCS394	Principles of Management	0	2	0	2	2
		Total	12	6	6	24	24

Semester-IV

S. No.	Subject Code	Subject Name	L	T	P	Total Contact Hrs	Credit Points
Theory							
1	BSCCS401	Design and Analysis of Algorithms	3	1	0	4	4
2	BSCCS402	Software Engineering	3	1	0	4	4
3	BSCCS403	Database Management Systems	3	1	0	4	4
4	BSCCS404	General Studies & Current Affairs -IV	3	1	0	4	4
Practical							
5	BSCCS491	Design and Analysis of Algorithms Lab	0	0	2	2	2
6	BSCCS492	Software Engineering Lab	0	0	2	2	2
7	BSCCS493	Database Management Systems Lab	0	0	2	2	2
Sessional							
8	BSCCS494	Web Design and Development	0	2	0	2	2
		Total	12	6	6	24	24

Semester-V

S. No.	Subject Code	Subject Name	L	T	P	Total Contact Hrs	Credit Points
Theory							
1	BSCCS501	Internet Technologies	3	1	0	4	4
2	BSCCS502	Theory of Computation	3	1	0	4	4
3	BSCCS503	Digital Image Processing	3	1	0	4	4
4	BSCCS504	General Studies & Current Affairs -V	3	1	0	4	4
Practical							
5	BSCCS591	Internet Technologies Lab	0	0	2	2	2
6	BSCCS592	Theory of Computation Tutorial	0	0	2	2	2
7	BSCCS593	Digital Image Processing Lab	0	0	2	2	2
Sessional							
8	BSCCS594	Combinatorial Optimization	0	2	0	2	2
		Total	12	6	6	24	24

Semester-VI

S. No.	Subject Code	Subject Name	L	T	P	Total Contact Hrs	Credit Points
Theory							
1	BSCCS601	Artificial Intelligence	3	1	0	4	4
2	BSCCS602	Computer Graphics	3	1	0	4	4
3	BSCCS603	Data Mining	3	1	0	4	4
4	BSCCS604	General Studies & Current Affairs -VI	3	1	0	4	4
Practical							
5	BSCCS691	Artificial Intelligence Lab	0	0	2	2	2
6	BSCCS692	Computer Graphics Lab	0	0	2	2	2
7	BSCCS693	Data Mining Lab	0	0	2	2	2
Sessional							
8	BSCCS694	Machine Learning	0	2	0	2	2
		Total	12	6	6	24	24