CE - B.Tech. in Civil Engineering
2024 Batch

Semester 1

S.No	Course No	Course Name	L	T	E	P	O	C	Cat
1	CE1010	Introduction to Civil Engineering	2	1	1	0	4	8	P
2	CY1001	Chemistry I: Structure, Bonding & Reactivity	3	1	0	0	6	10	S
3	CY1002	Chemistry Lab I	0	0	0	3	0	3	S
4	CV1050	Vector Calculus and Numerical Methods	3	1	2	0	6	12	S
5	CV1030	Building Drawing and Visualization	1	0	0	3	2	6	E
6	WS1301	Workshop-I	0	0	0	3	0	3	E
7	GN1101	Life Skills 1	0	0	0	0	4	4	G
8	ID1300	Recreation Course	0	0	0	0	2	2	G
9	ID1200	Ecology and Environment	2	0	0	0	0	2	S
		NCC (NC1010)/NSO (NS1020)/NSO (NS1030)	0	0	0	0	2	2	
		Total Credits :						**52**	

Semester 2

S.No	Course No	Course Name	L	T	E	P	O	C	Cat
1	MA1101	Functions of Several Variables	3	1	0	0	6	10	S
2	PH1010	Physics I	3	1	0	0	6	10	S
3	PH1030	Physics Laboratory I	0	0	0	3	1	4	S
4	CV1020	Solid and Fluid Mechanics	3	1	2	0	6	12	E
5	HSE 1	Humanities Elective 1	3	0	0	0	6	9	H
6	WS1302	Workshop-II	0	0	0	3	0	3	E
7	GN1102	Life Skills 2	0	0	0	0	2	2	G
8	ID1300	Recreation Course	0	0	0	0	2	2	G
		NCC (NC1010)/NSO (NS1020)/NSO (NS1030)	0	0	0	0	2	2	
		Total Credits :						**54**	

Semester 3

S.No	Course No	Course Name	L	T	E	P	O	C	Cat
1	CV2050	Environmental Engineering	3	1	0	2	6	12	P
2	CV2070	Hydraulics and Water Resources Engineering	3	1	0	2	6	12	P
3	CV2010	Structural Mechanics and Analysis	3	1	2	0	6	12	P
4	CV2090	Probability and Statistics for CE	3	1	2	0	6	12	S
	MA2103	Probability, Statistics and Stochastic Process	3	0	0	0	6	9	S
5	CV2030	Measurement and Sensing	3	1	0	2	6	12	E
		Total Credits						**57/60**	

Semester 4

S.No	Course No	Course Name	L	T	E	P	O	C	Cat
1	CV2020	Construction Engineering	3	1	0	2	6	12	P
2	CV2040	Geotechnical Engineering	3	1	0	2	6	12	P
3	CV2060	Transportation Engineering	4	0	0	0	8	12	P
4	CV2080	Structural Engineering	3	1	2	0	6	12	P
5	MS	Entrepreneurship	3	0	0	0	6	9	M
		Total Credits						**57**	

Semester 5

S.No	Course No	Course Name	L	T	E	P	O	C	Cat
1	CV3010	Scientific Computing in Civil Engineering	3	0	0	3	6	12	C
2	CVXXXX	Design of CE Systems	3	1	2	0	6	12	P
3	CVXXXX	CE Laboratory & Practice	1	0	0	3	2	6	P
4		Science Elective (MA,PH,CY,BT)	3	0	0	0	6	9	S
5	PE1	Professional Elective I	3	0	0	0	6	9	P
6		Unallotted credits						9	
		Total Credits						**57**	

Semester 6

S.No	Course No	Course Name	L	T	E	P	O	C	Cat
1	HSE 2	Humanities Elective 2	3	0	0	0	6	9	H
2	PE2	Professional Elective 2	3	0	0	0	6	9	P
3	PE3	Professional Elective 3	3	0	0	0	6	9	P
4		Unallotted credits						18	
		Total Credits						**45**	

Semester 7

S.No	Course No	Course Name	L	T	E	P	O	C	Cat
1	HSE 3	Humanities Elective	3	0	0	0	6	9	H
2	PE4	Professional Elective 4	3	0	0	0	6	9	P
3	PE5	Professional Elective 5	3	0	0	0	6	9	P
4		Unallotted credits						18	
		Total Credits						**45**	

Semester 8

S.No	Course No	Course Name	L	T	E	P	O	C	Cat
1	HS3050	Professional Ethics	2	0	0	0	0	2	G
2	PE6	Professional Elective 6	3	0	0	0	6	9	P
3	PE7	Professional Elective 7	3	0	0	0	6	12	P
4		Unallotted credits						9	
		Total						**32**	

Semester	I	II	III	IV	V	VI	VII	VIII	Total
Credits	**52**	**54**	**57/60**	**57**	**57**	**45**	**45**	**32**	**399/402**

Category	Engineering (E)	Computing (C)	Professional (P) Core+Elective	Humanities (H)	Sciences (S)	General (G)	Management (M)	Un-allotted Credits	Total
Credits	36	12	110+66	27	67	18	9	54	**399**

B.Tech with specialization: Student completing 36 credits of elective courses within an identified department specialization is eligible for a certificate from the department declaring the specialization.

B.Tech (Honours): The total credit requirement for the honours students is 399 + 27 = 426. Refer to the relevant ordinance for eligibility, credit, and project requirements