

Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya
(SCSVMV)
(University U/S 3 of UGC Act 1956)
(Accredited with “A” Grade by NAAC)
Enathur, Kanchipuram - 631 561

DEPARTMENT OF
CIVIL AND STRUCTURAL ENGINEERING



CURRICULUM AND SYLLABUS
(Regulation - 2024)

B.E. (Civil Engineering)

Choice Based Credit System
(Students Admitted from AY-2024-25)

Department of Civil and Structural Engineering

B.E Civil Engineering

SEMESTER - I (First year)											
SL. No	Course Category	Course Code	Course Type	Name of the Course	Hours per week			Credit	IA	EA	TM
					L	T	P				
1.	BSC	CBSM125T10	T	Mathematics –I (Calculus, Multivariable Calculus and Linear Algebra)	3	1	-	4	40	60	100
2.	BSC	CBSCH24T20	L / T	Engineering Chemistry	3	-	2	4	40	60	100
3.	ESC	CESEE24T30	T	Basic Electrical and Electronics Engineering	2	1	-	3	40	60	100
4.	ESC	CESCS24T40	T	Programming for Problem Solving	3	-	-	2	40	60	100
5.	ESC	CESME24P50	L / T	Engineering Graphics & Design (Theory & Practical)	2	-	2	3	40	60	100
6.	BSC	CESEE24P70	L	Basic Electrical and Electronics Engineering Lab	-	-	2	2	40	60	100
7.	ESC	CESCS24P60	L	Programming for Problem Solving Lab	-	-	2	2	40	60	100
Total					13	02	08	20			

SEMESTER - II (First year)											
SL. No	Course Category	Course Code	Course Type	Name of the Course	Hours per week			Credit	IA	EA	TM
					L	T	P				
1.	HSMC	CHSEN25T10	T	English	2	-	-	2	40	60	100
2.	BSC	CBSMAE8T20	T	Mathematics – II (Differential Equations and Numerical Methods)	3	1	-	4	40	60	100
3.	BSC	CBSPH24T31	L / T	Applied Physics for Engineers	3	-	2	4	40	60	100
4.	HSMC	CBSMC24T40	T	Universal Human Values	3	-	-	3	40	60	100
5.	MC*	CMCCH24T50	T	Environmental Science and Engineering*	2	-	-	0	10 0	-	100
6.	ESC	CBSME24T60	L / T	Design Thinking and Idea Lab	3	-	2	4	40	60	100
7.	HSMC	BETF24MC01	T	Soft Skills	2	-	-	1	10 0	-	100
8.	MC*			Industrial visit / Survey / Technical Seminar	-	-	-	-	-	-	-
9.	MC*			NSS / Technical Club / Green Cell / Archaeological Site Visit and Survey	-	-	-	-	-	-	-
Total					18	01	04	18			
Total Credit in First year								38			

Semester III (Second year)

Sl.No	Category	Code	Course Title	Hours/Week			C	IA	EA	TM
				L	T	P				
1	BSC	BCEF243T10	Probability and Statistics	3	1	0	4	40	60	100
2	ESC	BCEF243T20	Engineering Mechanics	2	1	0	3	40	60	100
3	PCC	BCEF243T30	Engineering Geology	3	0	0	3	40	60	100
4	PCC	BCEF243T40	Fluid Mechanics: Theory and Practices	2	1	2	4	40	60	100
5	PCC	BCEF243T50	Construction Materials: Theory and Practices	3	0	2	4	40	60	100
6	PCC	BCEF243T60	Solid Mechanics	2	1	0	3	40	60	100
Laboratory										
7	PCC	BCEF243P70	Solid Mechanics Laboratory	0	0	2	1	40	60	100
8	MC*	BETF24MCO3	Skill Development Course-I	0	0	2	1*	-	-	100
Total Credits							22 +1*			

Semester IV (Second year)

Sl.N o	Category	Code	Course Title	Hours/We ek			Cr edi t	IA	EA	T M
				L	T	P				
1	PCC		Applied Hydraulic Engineering: Theory and Practices	2	1	2	4	40	60	100
2	PCC		Structural Mechanics - I	2	1	0	3	40	60	100
3	PCC		Geotechnical Engineering	2	1	0	3	40	60	100
4	PCC		Surveying	3	0	0	3	40	60	100
5	PCC		Concrete Technology	3	0	0	3	40	60	100
6	PCC		Hydrology and Water Resources Engineering	3	0	0	3	40	60	100
	MC*		Sanskrit and Indian Culture	1	0	0	1*	-	-	100