

**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

<b>SEMESTER - I (First year)</b>											
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
<b>Total</b>					<b>13</b>	<b>02</b>	<b>08</b>	<b>20</b>			

<b>SEMESTER - II (First year)</b>											
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	100	-	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	100	-	100
8.	MC*			Industrial visit / Survey / Technical Seminar	-	-	-	-	-	-	-
9.	MC*			NSS / Technical Club / Green Cell / Archaeological Site Visit and Survey	-	-	-	-	-	-	-
<b>Total</b>					<b>18</b>	<b>01</b>	<b>04</b>	<b>18</b>			
<b>Total Credit in First year</b>								<b>38</b>			

### 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
<b>Laboratory</b>										
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
<b>Total Credits</b>				<b>22 +1*</b>						

## Semester IV (Second year)

Sl.No	Category	Code	Course Title	Hours/Week			Credit	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
<b>Laboratory</b>										
7	PCC		Surveying Laboratory	0	0	2	1	40	60	100
8	PCC		Geotechnical Engineering Laboratory	0	0	2	1	40	60	100
9	MC*		Skill Development Course-II	0	0	2	1*	-	-	100
10	MC*		Internship	0	0	2	1*	-	-	100
<b>Total Credits</b>				<b>21 + 3*</b>						