Course Structure for 2025-2029 Batch CSBS(TCS)

Semester I

Sr. No.	Subject Code	Subject	L	T	P	Contact	Credits	
1	BAS017A	Discrete Mathematics	3	1	0	4	4	Foundation
2	BAS018A	Introductory Topics in Statistics, Probability and Calculus	3	0	0	3	3	Foundation
3	BCO408A	Fundamentals of Computer Science	3	0	0	3	3	Foundation
4	BCO409A	Fundamentals of Computer Science Lab	0	0	2	2	2	Foundation
5	DEL002A	Principles of Electrical Engineering	2	0	0	2	2	Foundation
6	DEL003A	Principles of Electrical Engineering Lab	0	0	0	2	1	Foundation
7	DPH003A	Fundamentals of Physics	2	0	0	2	2	Foundation
8	DPH004A	Fundamentals of Physics Lab	0	0	0	2	1	Foundation
9	DEN014A	Business Communication & Value Science - I	2	0	0	2	2	AEC
10	JIC001A	Entrepreneurship Development-I	0	0	2	2	1	SEC
11	DLW001A	Indian Constitution	2	0	0	2	NC	VAC
		TOTAL	17	1	4	26	21	

NC- Non Credit Course, It is mandatory to clear for completion of degree.

Semester II

Sr. No.	Subject Code	Subject	L	T	P	Contact Hours	Credits	
1	BCO410A	Data Structures and Algorithms	3	1	0	4	4	Core
2	BCO411A	Data Structures and Algorithms Lab	0	0	2	2	1	Core
3	BES025A	Principles of Electronics	2	0	0	2	2	Foundation
4	BES026A	Principles of Electronics Lab	0	0	2	2	1	Foundation
5	DCH004A	Enviornmental Sciences	0	0	0	0	0	VAC
6	DEC001A	Fundamentals of Economics	2	0	0	2	2	Foundation
7	DEN011A	Business Communication and Value S	2	0	0	2	2	AEC
8	DIN002A	Culture Education 2	0	0	2	2	2	VAC
9	DMA014A	Linear Algebra	3	1	0	4	4	Foundation
10	DMA015A	Statistical Methods	3	0	0	3	3	Foundation
11	DMA016A	Statistical Methods Lab	0	0	2	2	1	Foundation
		TOTAL	**15**	**2**	**8**	**25**	**22**	

B.Tech   CSE   III Semester

Sr. No.	Corse Code	Course Title	L	T	P	Contact Hrs.	Credits	Type
	BCO412A	Formal Language and Automata Theo	3	0	0	3	3	Core
	BCO413A	Computer Organization & Architectur	3	0	0	3	3	Core
	BCO414A	Computer Organization & Architectur	0	0	2	2	1	Core
	BCO415A	Object Oriented Programming	3	0	0	3	3	Core
	BCO416A	Computational Statistics	3	0	0	3	3	Core
	BCO417A	Computational Statistics Lab	0	0	2	2	1	Core
	BCO418A	Database Management Systems	3	0	0	3	3	Core
	BCO419A	Database Management Systems Lab	0	0	2	2	1	Core
	BCO443A	Object Oriented Programming Lab	0	0	2	2	1	Core
		Total	**15**	**0**	**8**	**23**	**19**	

B.Tech CSE Semester IV

Sr. No.	Course Code	Course Title	L	T	P	Contact Hrs.	Credits	Type

#	Code	Course						Category
1	BCO420A	Operating System (TCS)	3	0	0	3	3	Core
2	BCO421A	Operating system Lab (TCS)	0	0	2	2	1	Core
3	BCO422A	Design and Analysis of Algorithims	4	0	0	4	4	Core
4	BCO423A	Design and Analysis of Algorithims L	0	0	2	2	1	Core
5	BCO424A	Software Engineering	3	0	0	3	3	Core
6	BCO425A	Software Engineering Lab	0	0	2	2	1	Core
7	BCO487A	Design Thinking	2	0	0	2	2	Core
8	BCO488A	Design Thinking Lab	0	0	2	2	1	Core
9	BCO503A	Essence of Indian Traditional Knowle	0	0	0	0	0	VAC
10	DBA005A	Marketing Research & Marketing Mar	2	0	0	2	2	Multi-Discipl
11	DBA006A	Introduction to Innovation IP Manager	3	0	0	3	3	Multi-Discipl
12	DME027C	Operation Research	2	0	0	2	2	Multi-Discipl
13	DME028A	Operation Research Lab	0	0	2	2	1	Multi-Discipl
		Total	**19**	**0**	**10**	**29**	**24**	

B.Tech. CSE Semester V

Sr. No.	Course Code	Course Title	L	T	P	Contact Hrs.	Credits	Type
1	BCO430A	Software Design with UML	2	0	0	2	2	Core
2	BCO431A	Software Design with UML Lab	0	0	2	2	1	Core
3	BCO428A	Compiler Design	3	0	0	3	3	Core
4	BCO429A	Compiler Design Lab	0	0	2	2	1	Core
5	DBA009A	Fundamentals of Management	2	0	0	2	2	Core
6	DBA010A	Business Strategy	2	0	0	2	2	Core
7	DENO12B	Business Communication & Value Science – III	2	0	0	2	2	AEC
8	DPSO07A	Psychology	3	0	0	3	3	Multi-Disciplinary
9	DPSO07B	Psychology Lab	0	0	2	2	1	Multi-Disciplinary
10	BCO489A	Machine Learning	2	1	0	3	3	Core
11	BCO490A	Machine Learning Lab	0	0	2	2	1	Core
12	BCO436A	Mini Project	0	0	2	2	1	Core
		Total	**16**	**1**	**10**	**27**	**22**	

B.Tech CSE Semester VI

Sr. No.	Course Code	Course Title	L	T	P	Contact Hrs.	Credits	TYPE

1	BCO507A	Computer Networks	3	0	0	3	3	Core
2	BCO508A	Computer Networks Lab	0	0	2	2	1	Core
3	BCO509A	Information Security	3	0	0	3	3	Core
4	BCO510A	Information Security Lab	0	0	2	2	1	Core
5	BCO511A	Artificial Intelligence	3	0	0	3	3	Core
6	BCO512A	Artificial Intelligence Lab	0	0	2	2	1	Core
7	DBA011A	Financial & Cost Accounting	3	0	0	3	3	Multi-Disciplinary
8	DEN013A	Business Communication & Value Science – IV	2	0	0	2	2	SEC
9	DEN013B	Business Communication & Value Science – IV Lab	0	0	2	2	1	SEC
10	BCO515A	Image Processing and Pattern Recognition	3	0	0	3	3	Core
11	BCO516A	Image Processing and Pattern Recognition Lab	0	0	2	2	1	Core
12	BCO513A	Data Mining and Analytics	3	0	0	3	3	Core
13	BCO514A	Data Mining and Analytics Lab	0	0	2	2	1	Core
		Total	**20**	**0**	**12**	**32**	**26**	