

Name of the Academic Department / Center:					Chemistry				
Academic Year:		2025-2026							
Session:		Monsoon semester July-Nov 2025							

The **Complete List** of all Courses that will be offered by the Department/ Center in the next semester **JULY-NOV 2025** (including preparatory, core, compulsory, elective, theory, lab, seminar, project, reading course, etc.) is to be given below.

Sl. No.	Course No.	Course Title	L	T	P	C	Type of Course (Compulsory / Open Elective/ Dept. Elective)	Offered to Whom (Program & Semester)	Name(s) of Course Instructor(s)	Class Slot	Exam Slot	Class Room	Remarks
B. Tech. [Preparatory]													
3	CH 001	Preparatory Chemistry (Physical)	3	2	0	10	Preparatory		DM				
B. Tech. (Institute) [First Year]													
	CH1101H	Basic Inorganic Chemistry(RSBE)	3	0	0	3		B.Tech., I Semester	CYS (H1)	C (Before Midsem)	C1		H1 => Before mid sem
	CH1102H	Basic Inorganic Chemistry(CL)	3	0	0	3		B.Tech., I Semester	MQ (H2)	C (After Midsem)	C1		H2 => After mid sem
	(CH1103H +CH1105H)	Basic Inorganic Chemistry(EP)+Basic Inorganic Chemistry(EN)	3	0	0	3		B.Tech., I Semester	AKSA (H2)	C (After Midsem)	C1		H2 => After mid sem
	CH1104H	Basic Inorganic Chemistry(MC)	3	0	0	3		B.Tech., I Semester	MQ (H1)	C (Before Midsem)	C1		H1 => Before mid sem
	CH1106H	Basic Organic Chemistry(RSBE)	3	0	0	3		B.Tech., I Semester	KPB (H2)	C (After Midsem)	C1		H2 => After mid sem
	CH1107H	Basic Organic Chemistry(CL)	3	0	0	3		B.Tech., I Semester	SCP (H1)	C (Before Midsem)	C1		H1 => Before mid sem
	CH1108H	Basic Organic Chemistry(MC)	3	0	0	3		B.Tech., I Semester	PKK (H2)	C (After Midsem)	C1		H2 => After mid sem
	CH1109	Chemistry Lab(CL)	3	0	0	3		B.Tech., I Semester	KM	AL1 Mon(2-5)			
	CH1100+CH1111	Chemistry Lab(MC)+Chemistry Lab(EN)	3	0	0	3		B.Tech., I Semester	KM	AL3 WED(2-5)			
								B. Tech. (CST) [First Year]					
	CL 101	Fundamentals of Process Calculations	3	0	0	6				A	A1		
	MA101H	Single Variable Calculus	3	1	0	4				B	B1		
	MA102H	Multi Variable Calculus	3	1	0	4				B	B1		
	ME 101	Basic Engineering Mechanics	2	1	0	3				D	D1		
	PH101H	Modern Physics	2	1	0	3				E	F1		
	PH103H	Introductory Classical Mechanic	2	1	0	3				E	F1		
	CH1112	Organic Chemistry (CST)	3	0	0	6		B.Tech., I Semester	DS	C	C1		
	PH110	Physics Lab						B.Tech., I Semester		AL3 WED(2-5)			
	CH1113	Chemical Technology Lab -I(CST)	3	0	0	3		B.Tech., I Semester	KM	AL2 Tue(2-5)			
B. Tech. (CST) [Second Year]													
4	MA 201	Mathematics - III	3	1	0	8	Compulsory	B.Tech., III Semester					
5	CL 201	Chemical Process Calculations	2	1	0	6	Compulsory	B.Tech., III Semester		C	C	5006	Morning 8-9 AM slot cannot be used
6	CL 202	Fluid Mechanics	2	1	0	6	Compulsory	B.Tech., III Semester		D	D	5006	Morning 8-9 AM slot cannot be used
7	CH 212	Inorganic Chemistry	3	0	0	6	Compulsory	B.Tech., III Semester	MR	E	E	5006	

		Minor course-I								G	G		
B. Tech. (CST) [Third Year]													
10	CH 426	Green Chemistry and Technology	3	0	0	6	Open Elective	R.Tech., V Semester	ATK	F1	F1	000	
11	CH 302	Technical Report Presentation	0	0	3	3	Compulsory	R.Tech., V Semester	SD	ML5		5101	
12	CH 301	Environmental Chemistry	3	0	0	6	Compulsory	R.Tech., V Semester	SKS	B1	B 1	000	Morning 8-9 AM slot cannot be used
13	CH 316	Frontiers of Coordination Chemistry	3	0	0	6	Compulsory	R.Tech., V Semester	AD	C1	C1	000	Morning 8-9 AM slot cannot be used
14	CH 331	Chemical Kinetics and Electrochemistry	3	0	0	6	Compulsory	R.Tech., V Semester	KS	A1 (except 2-3)	A1	000	Morning 8-9 AM slot cannot be used
15	CH 314	Chemical Technology Lab - II (Inorganic)	0	0	0	6	Compulsory, Lab	R.Tech., V Semester	CM	ML3,ML4			
16	HS 1XX	HSS Elective - II (Level- II)	3	0	0	6	HSS Elective	R.Tech., V Semester			G1		
		MINOR course- III									E1		
B. Tech. (CST) [Fourth Year]													
17	CH 401	Modern Chemical Technology	3	0	0	6	Compulsory	R.Tech., VII Semester	DPD	E	E	5106	
18	CH 498	Project - I	0	0	12	12	Compulsory	R.Tech., VII Semester					
19	CH 417	Organometallic Chemistry	3	0	0	6	Dept. Elective	R.Tech., VII Semester	VM	B	B	5106	Morning 8-9 AM slot cannot be used
20	CH 427	Medicinal Chemistry	3	0	0	6	Dept. Elective	R.Tech., VII Semester	BM	C	C	5106	Morning 8-9 AM slot cannot be used
21	CH 434	Machine Learning in Chemistry	2	0	2	6	Dept. Elective	R.Tech., VII Semester	KR	D,AL1	D	5106	Morning 8-9 AM slot cannot be used
21	CH429	Petroleum Chemistry	3	0	0	6	Open Elective - II	R.Tech., VII Semester	BKP+PKI	F	F	5401	
22	HS 2XX	HSS Elective - I (Level II)	3	0	0	6	HSS Elective	R.Tech., VII Semester		G	G		
		Minor-V								A	A		
M. Sc. (Chemistry) [First Year]													
23	CH 410	Chemistry of p-and d-Block Elements	3	1	0	8	Compulsory	M.Sc. I Semester	SPB	C	C	3202	
24	CH 420	Principles of Organic Chemistry	3	1	0	8	Compulsory	M.Sc. I Semester	AKS	D	D	3202	
25	CH 430	Quantum Chemistry	3	1	0	8	Compulsory	M.Sc. I Semester	AP + ANP	A	A	3202	
26	CH 431	Group Theory and Spectroscopy	3	1	0	8	Compulsory	M.Sc. I Semester	GK	B	F	3202	
27	CH 435	Physical Chemistry Laboratory	0	0	9	9	Compulsory	M.Sc. I Semester	KR+UM	AL1, AL2, AL3			
M. Sc. (Chemistry) [Second Year]													
28	CH 511	Principles of Bioinorganic Chemistry	3	1	0	8	Compulsory	M.Sc. III Semester	BM	C	C	5101	
29	CH 520	Concepts in Organic Synthesis	3	1	0	8	Compulsory	M.Sc. III Semester	SSB+TP	D	D	5101	
30	CH 521	Bio-organic Chemistry	3	1	0	8	Compulsory	M.Sc. III Semester	LMK	B	F	5101	
31	CH 530	Classical and Statistical Thermodynamics	3	1	0	8	Compulsory	M.Sc. III Semester	SP	A	A	5101	
32	CH 515	Inorganic Chemistry Laboratory	0	0	9	9	Compulsory, Lab	M.Sc. III Semester	GD	AL2, AL3,AL4			
							Ph. D. (Chemistry)						
33	CH 601	Physical Methods in Chemistry	3	0	0	6	Dept. Elective	Ph.D.	KR+UM	G	G	5106	Morning 8-9 AM slot cannot be used

35	CH 633	Chemical Applications of Group Theory	3	0	0	6	Dept. Elective	Ph.D.	AKG	E1	E1	5106	Morning 8-9 AM slot cannot be used
36	CH 637	Computational Methods in Chemistry	2	0	2	6	Dept. Elective	Ph.D.	DD	F, AL2	F	5106	Morning 8-9 AM slot cannot be used
37	CH 628	Chemistry of Biological Macromolecules	3	0	0	6	Dept. Elective	PhD	SC	A1	A1	5106	Morning 8-9 AM slot cannot be used
39	CH 645	Scientific Writing and Presentation	3	0	0	6	Dept. Elective	PhD	MS	C1 (except 2.00-2.55)	C1	5106	Morning 8-9 AM slot cannot be used
41	CH614	Supramolecules concept and applications	3	0	0	6	Dept. Elective	PhD	JBB	A	A	5106	Morning 8-9 AM slot cannot be used