

Name of the Academic Department / Center:				Chemistry	
Academic Year:	2026-2027				
Session:	Monsoon semser July-Nov 2026				

The **Complete List** of all Courses that will be offered by the Department/ Center in the next semester **JULY-NOV 2026** (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]					
1	CH0001	Preparatory Chemistry (Physical)	3	2	0	10	Preparatory		KS			4203	
								B. Tech. (Institute) [First Year]					
2	CH1101H	Basic Inorganic Chemistry(BSBE)	3	0	0	3		B.Tech., I Semester	AKAS	C (Pre-midsem)	C1	5406	
3	CH1102H	Basic Inorganic Chemistry(CL)	3	0	0	3		B.Tech., I Semester	CVS	C (Post-midsem)	C1	5304	
4	(CH1103H +CH1105H)	Basic Inorganic Chemistry(EP)+Basic Inorganic Chemistry(EN)	3	0	0	3		B.Tech., I Semester	KM	C (Post-midsem)	C1	5302	
5	CH1104H	Basic Inorganic Chemistry(MC)	3	0	0	3		B.Tech., I Semester	GD	C (Pre-midsem)	C1	5305	
6	CH1106H	Basic Organic Chemistry(BSBE)	3	0	0	3		B.Tech., I Semester	BhM	C (Post-midsem)	C1	5406	
7	CH1107H	Basic Organic Chemistry(CL)	3	0	0	3		B.Tech., I Semester	DS	C (Pre-midsem)	C1	5304	
8	CH1108H	Basic Organic Chemistry(MC)	3	0	0	3		B.Tech., I Semester	CKJ	C (Post-midsem)	C1	5305	
9	CH1109L	Chemistry Lab(CL)	3	0	0	3		B.Tech., I Semester	ASA+KPB	AL4 THU (2-5)		New Practical Lab (Core 4)	
10	CH1110L+CH1111L	Chemistry Lab(MC)+Chemistry Lab(EN)	3	0	0	3		B.Tech., I Semester	ASA+KPB	AL3 WED (2-5)		New Practical Lab (Core 4)	
								B. Tech. (CST) [First Year]					
11	CL 101	Fundamentals of Process Calculations	3	0	0	6		B.Tech., I Semester					
12	ME 101	Engineering Mechanics	2	1	0	3		B.Tech., I Semester					
13	PH101H	Introductory Classical Mechanics	2	1	0	3		B.Tech., I Semester					
14	PH103H	Modern Physics	2	1	0	3		B.Tech., I Semester					
15	MA101H	Single Variable Calculus	3	1	0	4		B.Tech., I Semester					
16	MA102H	Multi Variable Calculus	3	1	0	4		B.Tech., I Semester					
17	CH1112	Organic Chemistry (CST)	3	0	0	6		B.Tech., I Semester	SCP	C	C1	5301	

18	PH110	Physics Lab						B.Tech., I Semester						
19	CH1113L	Chemical Technology Lab- I(CST)	3	0	0	3		B.Tech., I Semester	ASA+KPB	AL2 TUE (2-5)		New Practical Lab (Core 4)		
								B. Tech. (CST) [Second Year]						
20	MA	Ordinary Differntial Calculations	3	1	0	4	Compulsory	B.Tech., III Semester			A			
21	MA	Partial differential equations	3	1	0	4	Compulsory	B.Tech., III Semester			A			
22	CL 2104L	Fluid Mechanics	3	0	0	6	Compulsory	B.Tech., III Semester		B	C	5006		
23	CH2102	Inorganic Chemistry	3	0	0	6	Compulsory	B.Tech., III Semester	MR	A	E	5006	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials	
24	CH2103H	Electrochemistry	3	0	0	3	Compulsory	B.Tech., III Semester	DM (pre-midsem)	D	D	5006	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials	
25	CH2101	Introduction to Quantum Chemistry	3	0	0	6	Compulsory	B.Tech., III Semester	ANP	E	B	5106		
26	CH2104L	Chemical Technology Laboratory II (Inorganic)	0	0	6	6	Compulsory	B.Tech., III Semester	GD (pre-midsem) + CVS (post-midsem)	AL4 THU, AL5 FRI		New Practical Lab (Core 4)		
		Minor course-I								F	F			
								B. Tech. (CST) [Third Year]						
27	CH3120P	Technical Report Presentation	0	0	3	3	Compulsory	B.Tech., V Semester	GK	ML3		3202		
28	CH3121	Environmental Chemistry	3	0	0	6	Compulsory	B.Tech., V Semester	SKS	B1	B 1	5006	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials	
29	CH 3122	Frontiers of Coordination Chemistry	3	0	0	6	Compulsory	B.Tech., V Semester	SPB	C1	C1	5006	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials	
30	CH 3123	Chemical Kinetics and Electrochemistry	3	0	0	6	Compulsory	B.Tech., V Semester	AC	A1 (except 2-3)	A1	5006	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials	
31	CH 3124L	Chemical Technology Lab - II (Inorganic)	0	0	6	6	Compulsory, Lab	B.Tech., V Semester	BM	ML1, ML2		New Practical Lab (Core 4)		
32	HS 1XX	HSS Elective - II (Level - I)	3	0	0	6	HSS Elective	B.Tech., V Semester		G1	G1			
33		MINOR course- III								E1	E1			
								B. Tech. (CST) [Fourth Year]						
34	CH4120	Modern Chemical Technology	3	0	0	6	Compulsory	B.Tech., VII Semester	LMK	B	B	5106	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials	

35	CH4121P	Project - I	0	0	12	12	Compulsory	B.Tech., VII Semester					
36	CH4122	Organometallic Chemistry	3	0	0	6	Dept. Elective	B.Tech., VII Semester	AD	C	C	5106	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials
37	CH 4123	Medicinal Chemistry	3	0	0	6	Dept. Elective	B.Tech., VII Semester	DM (post-midsem) +BhM (pre-midsem)	D	D	5106	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials
38	CH4124	Machine Learning in Chemistry	2	0	2	6	Dept. Elective	B.Tech., VII Semester	KB	D,AL1	D	5105	
39	CH4125	Petroleum Chemistry	3	0	0	6	Open Elective - II	B.Tech., VII Semester	PKI+BKP	F	F	5106	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials
40	HS 2XX	HSS Elective - I (Level II)	3	0	0	6	HSS Elective	B.Tech., VII Semester		G	G		
41		Minor-V								A	A		
							M. Sc. (Chemistry) [First Year]						
42	CH4151	Chemistry of p-and d-Block Elements	3	1	0	8	Compulsory	M.Sc. I Semester	VM	A	A	3003	
43	CH4152	Principles of Organic Chemistry	3	1	0	8	Compulsory	M.Sc. I Semester	PKK + AKS	B	B	3003	
44	CH 4153	Quantum Chemistry	3	1	0	8	Compulsory	M.Sc. I Semester	MS	C	C	3003	
45	CH 4154	Group Theory and Spectroscopy	3	1	0	8	Compulsory	M.Sc. I Semester	SD	D	D	3003	
46	CH4155L	Physical Chemistry Laboratory	0	0	9	9	Compulsory	M.Sc. I Semester	UM+KR	AL1, AL2, AL3		New Practical Lab (Core 4)	
							M. Sc. (Chemistry) [Second Year]						
47	CH5151	Principles of Bioinorganic Chemistry	3	1	0	8	Compulsory	M.Sc. III Semester	CM	A1	A	3202	
48	CH5152	Concepts in Organic Synthesis	3	1	0	8	Compulsory	M.Sc. III Semester	SSB	B1	B	3202	
49	CH5153	Bio-organic Chemistry	3	1	0	8	Compulsory	M.Sc. III Semester	DPD	C1	C	3202	
50	CH5154	Classical and Statistical Thermodynamics	3	1	0	8	Compulsory	M.Sc. III Semester	AP+DD	D1	D	3202	
51	CH5155L	Inorganic Chemistry Laboratory	0	0	9	9	Compulsory, Lab	M.Sc. III Semester	KM+AKAS	ML3, ML4, ML5		New Practical Lab (Core 4)	
							Ph. D. (Chemistry)						
52	CH7151	Physical Methods in Chemistry	3	0	0	6	Dept. Elective	Ph.D.	MQ	A1	A1	5106	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials
53	CH7152	Art in Organic Synthesis	3	0	0	6	Dept. Elective	Ph.D.	TP	B1	B1	5106	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials
54	CH7153	Chemical Applications of Group Theory	3	0	0	6	Dept. Elective	Ph.D.	SP	C1	C1	5106	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials
55	CH7154	Computational Methods in Chemistry	2	0	2	6	Dept. Elective	Ph.D.	AKG	F, AL2	F	3202	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials
56	CH7155	Chemistry of Biological Macromolecules	3	0	0	6	Dept. Elective	PhD	SC	D1	D1	5106	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials
57	CH7156P	Scientific Writing and Presentation	3	0	0	6	Dept. Elective	PhD	UM	E1		5106	8-9 AM slots on Monday, Wednesday, Thursday & Friday are reserved for common courses Tutorials

58	CH7157	Supramolecules concept and applications	3	0	0	6	Dept. Elective	PhD	JBB	G	G	3202	
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