

SEMESTER-I

S.No.	Course No.	Course Name	L	T	P	C	NG	H
1	COL1000	Intro to Computer Science (Computer Literacy) (GE-1)	2	1	2	4		
2	MTL1001	Calculus (BS-1)	3	1	0	4		
3	PYP1000	Physics Laboratory (BS-2)	0	0	4	2		
4	PYL1002	Waves and oscillations (BS-3)	2	1	0	3		
5	CML1011	Thermodynamics and Chemical Kinetics (DC-1)	3	1	0	4		
		Total credits for semester	10	4	6	17	0	20

SEMESTER-II

S.No.	Course No.	Course Name	L	T	P	C	NG	H
1	MCP1101	Manufacturing and Product Innovation (GE-2a)	1	0	2	2		
2	MCP1102	Engineering Visualization (GE-2b)	1	0	2	2		
3	ELL1000	Intro to EE (GE-3)	3	0	2	4		
4	CML1002	Art and Science of Building Molecules and Materials (BS-4)	2	1	0	3		
5	MTL1002	Linear Algebra and Diff Eqns (BS-5)	3	1	0	4		
6	CMP1000	Chemistry Laboratory (BS-6)	0	0	4	2		
		Total credits for semester	10	2	10	17	0	22

SEMESTER-III

S.No.	Course No.	Course Name	L	T	P	C	NG	H
1	CML2031	Stereochemistry and Physical Organic Chemistry (DC-3)	3	0	0	3		
2	CML2032	Basic Inorganic Chemistry (DC-4)	3	0	0	3		
3	CML2033	Quantitative Chemical and Instrumental Analysis (DC-2)	3	0	0	3		
4	MTL2008	Introduction to Probability and Statistics (GE-4)	3	1	0	4		
5	SBL1000	Intro to Biology for engineers	2	0	0	2		
6	SBP1000	Experimental Biology for Engineers	0	0	2	1		
7	CMP2031	Physical Chem Lab-1	0	0	4	2		
		Total credits for semester	10	2	10	17	0	22

SEMESTER-IV

S.No.	Course No.	Course Name	L	T	P	C	NG	H
1	CML2040	Sustainable Chemistry and Chemical Practices (DC-5)	3	0	0	3		
2	CML2041	Organic Synthesis (DC-6)	3	0	0	3		
3	CML2042	Group Theory and Main Group Chemistry (DC-7)	3	0	0	3		
4	CMP2041	Inorg Chem Lab-1 (DC-P2)	0	0	4	2		
5	CMP2042	Org Chem Lab-1 (DC-P3)	0	0	4	2		
6	GE-6	GE-Student Choice-1 (GE-5)	3	1	0	4		
7	HU-1	HU-1	3	0	0	3		
		Total credits for semester	15	1	8	20	0	24

SEMESTER-V

S.No.	Course No.	Course Name	L	T	P	C	NG	H
1	CML3051	Carbonyl Chemistry (DC-8)	3	0	0	3		
2	CML3052	Chemistry of transition & inner transition Metals (DC-9)	3	0	0	3		
3	CML3053	Quantum Chemistry and Spectroscopy (DC-10)	3	0	0	3		
4	BS-8	BS-Student Choice (BS-8)	3	0	0	3		
5	CMP3051	Physical Chem Lab-2 (DC-P4)	0	0	4	2		
6	CMP3052	Inorganic Chem Lab-2 (DC-P5)	0	0	4	2		
7	CMP3053	Organic Chem Lab-2 (DC-P6)	0	0	4	2		
8	HU-2	HU-2	3	0	0	3		
		Total credits for semester	13	0	12	19	0	25

SEMESTER-VI

S.No.	Course No.	Course Name	L	T	P	C	NG	H
1	CML3061	Pericyclic reaction and Photochemistry (DC-11)	2	0	0	2		
2	CML3062	Solid State and Materials Chemistry (DC-12)	3	0	0	3		
3	CML3063	Organic Spectroscopy (DC-12)	2	0	0	2		
4	CML3064	Chemical Biology (DC-13)	3	0	0	3		
5	CMP3061	Physical Chem Lab-3 (DC-P7)	0	0	4	2		
6	CMP3062	Inorganic Chem Lab-3 (DC-P8)	0	0	4	2		
7	CMP3063	Organic Chem Lab- 3 (DC-P9)	0	0	4	2		
8	HU-3	HU-3	3	0	0	3		
		Total credits for semester	13	0	12	19	0	25

SEMESTER-VII

S.No.	Course No.	Course Name	L	T	P	C	NG	H
1	CMD4001	BTP-I (Minor Project) (DC-P10)	0	0	6	3		
2	DE-1	DE-1	3	0	0	3		
3	DE-2	DE-2	3	0	0	3		
4	OC-1	OC-1	3	0	0	3		
5	GE-5	GE-Student Choice-2 (GE-6)	3	1	0	4		
6	HU-4	HU-4	3	0	0	3		
		Total credits for semester	15	1	6	19	0	22

SEMESTER-VIII

S.No.	Course No.	Course Name	L	T	P	C	NG	H
1	OC-2	OC-2	3	0	0	3		
2	DE-3	DE-3	3	0	0	3		
3	DE-4	DE-4	3	0	0	3		
4	OC-3	OC-3	3	0	0	3		
5	HU-5	HU-5	3	0	0	3		
		Total credits for semester	15	0	0	15	0	15