

Program name : M.Sc. Chemistry 1 year

Program Name: M.Sc. Chemistry 1 year			Credit Distribution				Type of Course																
				lecture	Tutorial	Practical	Self Study	Core	Elective	Multi Disciplinary	SEC	VAC	AEC	Project	Minor	Internship	Prerequisite	Mandatory	Audit	CIE (100)	SEE (100)	Remark	
SNo	Seme	Course title	Credits																				
1	I	Organic Spectroscopy	4	4	0	0	0	4	0	0	0	0	0	0	0	0	-			100	100		
2	I	Reaction mechanism and Basics of group theory	3	3	0	0	0	3	0	0	0	0	0	0	0	0	-			100	100		
3	I	Physical Chemistry-II	6	4	0	2	0	6	0	0	0	0	0	0	0	0	-			100	100		
4	I	Techniques in Analytical Chemistry	5	3	0	2	0	5	0	0	0	0	0	0	0	0	-			100	100		
5	I	Professional Communication	2	1	0	1	0	0	0	2	0	0	0	0	0	0	-			100	100		
6	I	Elective (I)	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-			100	100		
7	II	Photo chemistry & Pericyclic reaction	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
8	II	Reagents and Heterocyclic Chemistry	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
9	II	Chemistry of Natural Products and Retrosynthesis	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
10	II	Elective (II)	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-			100	100		
11	II	Campus to corporate	3	3	0	0	0	0	0	3	0	0	0	0	0	0	-			100	100		
12	II	Organometallic Chemistry	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
13	II	Spectroscopic techniques in Inorganic Chemistry	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
14	II	Bio-Inorganic Chemistry	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
15	II	Applied Electrochemistry	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
16	II	Chemical Kinetics and Surface Chemistry	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
17	II	Molecular Spectroscopy	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
18	II	Electroanalytical methods	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
19	II	Quality control and quality assurance	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
20	II	Advanced Instrumentation methods	5	4	0	1	0	5	0	0	0	0	0	0	0	0	-			100	100		
		Total	44					33	6	5	0	0	0	0	0	0							

Electives for M.Sc. Chemistry 1 year

		B.Tech. Chemistry 2 year																						Credit Distribution				Type of Course																	
SNo	Semester	Course title	Credits	lecture	Tutorial	Practical	Self Study	Core	Elective	Multi Disciplinary	SEC	VAC	AEC	Project	Minor	Internship	Prerequisite	Mandatory	Audit	CIE (100)	SEE (100)	Remark																							
1	I/II	Polymer chemistry	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-				100	100																							
2	I/II	Industrial chemistry	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-				100	100																							
3	I/II	Solid State chemistry	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-				100	100																							
4	I/II	Environmental analytical chemistry	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-				100	100																							
5	I/II	Bio-organic Chemistry	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-				100	100																							
6	I/II	Advanced Green Chemistry	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-				100	100																							
7	I/II	Carbon Materials	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-				100	100																							
8	I/II	Advance Metallurgical Sciences	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-				100	100																							
9	I/II	Industrial Biochemistry	3	3	0	0	0	0	3	0	0	0	0	0	0	0	-				100	100																							