

Template for M.Sc. Chemistry: (enabled from 2012)

Semester I			Semester II			Semester III			Semester IV		
Course No.	Course Title	C	Course No.	Course Title	C	Course No.	Course Title	C	Course No.	Course Title	C
CY 5010	Stereochemistry, Reaction Mechanism and Aromaticity	3	CY 5020	Advanced Organic Chemistry of Multiple Bonds	3	CY 6110	Metals in Biological Systems	3	CY 7110	Elective-II	3
CY 5110	Concepts in Inorganic Chemistry	3	CY 5120	Advanced Inorganic Chemistry	3	CY 6220	Physical Methods in Chemistry	3	CY 7230	Elective-III	3
CY 5210	Electrochemistry and Chemical Kinetics	3	CY 5230	Statistical Thermodynamics & Surface Science	3	CY 6010	Synthetic Methodology in Organic Chemistry	3	CY 6016	Project	15
CY 5240	Quantum Chemistry & Molecular Spectroscopy	3	CY 5250	Chemical Binding and Molecular Symmetry	3	CY 7010	Elective-I	3			
CY 5220	Solid State Chemistry	3	CY 7410	Spectroscopy & Applications	3	CY 6015	Project: Satisfactory / Unsatisfactory				
CY 5011	Organic Chemistry Practicals	2	CY 5211	Physical Chemistry Practicals	2						
CY 5111	Inorganic Chemistry Practicals	2									
Total Credits		19	Total Credits		17	Total Credits		12	Total Credits		21
Grand Total: 69 Credits											

List of electives:

Course	Name	Credits
CY 7020	Advanced Organic Chemistry	3
CY 7120	Advanced Organometallic Chemistry	3
CY 7220	Chemical & Electrochemical Energy Systems	3
CY 7010	Chemistry of Natural Products and Biomolecules	3
CY 7110	Organolanthanide Chemistry	3
CY 7230	Nanochemistry & Applications	3
CY 7410	Spectroscopy & Applications	3
CY 7240	Heterogeneous Catalysis	3