

Cat.	Course Number, Course Title	L-T-P-D	Credits	Cat.	Course Number, Course Title	L-T-P-D	Credits
I Semester				II Semester			
MC	CYL6010 Organic Reactions and Mechanisms	3-0-0-0	3	MC	CYL6060 Organic Synthesis	3-0-0-0	3
MC	CYL6020 Transition Metal and Organometallic Chemistry	3-0-0-0	3	MC	CYL6070 Solid State and Material Chemistry	3-0-0-0	3
MC	CYL6030 Quantum Chemistry and Spectroscopy	3-0-0-0	3	MC	CYL6080 Molecular Thermodynamics and Chemical Kinetics	3-0-0-0	3
MC	CYL6040 Physical Organic Chemistry	3-0-0-0	3	MC	CYL6090 Theory and Applications of spectroscopic techniques	3-0-0-0	3
MC	CYL6050 Main Group and Bioinorganic Chemistry	3-0-0-0	3	ME	Program elective-1	3-0-0-0	3
MC	CYP6010 Organic Laboratory	0-0-3-0	1.5	MC	CYP6040 Physical Laboratory	0-0-3-0	1.5
MC	CYP6020 Inorganic Chemistry Laboratory	0-0-3-0	1.5	MC	CYD6010 Minor Project	0-0-3-0	1.5
MC	CYP6030 Hands on -1	0-0-3-0	1.5	MC	CYP6050 Hands on-2	0-0-3-0	1.5
Total			19.5	Total			19.5

MO	Open elective-1	3-0-0-0	3	ME	Program Elective-5	3-0-0-0	3
ME	Program Elective-2	3-0-0-0	3	ME	Program Elective-6	3-0-0-0	3
ME	Program Elective-3	0-0-3-0	3	MO	Open Elective -2	3-0-0-0	3
ME	Program Elective-4	3-0-0-0	3	MP	CYD6050:Project	0-0-0-10	10
MC	CYP6060: Computational Lab	0-0-1-0	1.5				
MP	CYD6040 Project	0-0-0-5	5				
MC	CYQ6010 Seminar	0-0-1-0	0.5				
Total			19	Total			19

MC	ME	MO	MP	Total
38	18	6	15	77