

<i>Cat.</i>	<i>Course Number, Course Title</i>	<i>L-T-P-D</i>	<i>Credits</i>		<i>Cat.</i>	<i>Course Number, Course Title</i>	<i>L-T-P-D</i>	<i>Credits</i>
I Semester					II Semester			
C	Org-1: Organic Reactions and Mechanisms	3-0-0-0	3		C	Org-3: Organic Synthesis	3-0-0-0	3
C	Inorg-1:Transition Metal, Bioinorganic Chemistry, Organometallic Chemistry and Catalysis	3-0-0-0	3		C	Inorg-3: Solid State and Material Chemistry	3-0-0-0	3
C	Phys-1: Quantum Chemistry and Spectroscopy	3-0-0-0	3		C	Phy-2: Molecular Thermodynamics and Chemical Kinetics	3-0-0-0	3
C	Org-2: Physical Organic Chemistry	3-0-0-0	3		C	Phys-3: Theory and Applications of spectroscopic techniques	3-0-0-0	3
C	Inorg-2: Main Group Chemistry	3-0-0-0	3		E	Program elective-1	3-0-0-0	3
C	Lab-1:Organic Laboratory	0-0-3-0	1.5		C	Lab-3: Physical Laboratory	0-0-3-0	1.5
C	Lab-2: Inorganic Chemistry Laboratory	0-0-3-0	1.5		C	Minor Project	0-0-3-0	1.5
C	Hands on -1	0-0-3-0	1.5		C	Hands on-2	0-0-3-0	1.5
<i>Total</i>			19.5		<i>Total</i>			19.5

III Semester				IV Semester			
E	Open elective-1	3-0-0-0	3	E	Program Elective-5	3-0-0-0	3
E	Program Elective-2	3-0-0-0	3	E	Program Elective-6	3-0-0-0	3
E	Program Elective-3	0-0-3-0	3	E	Open Elective -2	3-0-0-0	3
E	Program Elective-4	3-0-0-0	3	R	Project	0-0-0-10	10
C	Lab-4: Computational Lab	0-0-1-0	1.5				
R	Project	0-0-0-5	5				
C	Seminar	0-0-1-0	0.5				
<i>Total</i>			19	<i>Total</i>			19

* Open Elective Courses can be taken in the third semester as well.