

M.Tech (CCB- Pharmaceutical Science and Engineering)

Semester I				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 1	3 1 0	4	Basic of Pharmacology	NCYC501
DC 2	3 1 0	4	Unit Operations for Pharmaceutics	NCHC525
DC 3	3 1 0	4	Formulation & Drug Delivery Technology	NCYC502
DE 1	3 0 0	3	--	
DE 2	3 0 0	3	--	
DP 1	0 0 3	1.5	Process Chemistry Lab	NCYC503
DP 2	0 0 3	1.5	Instrumental Method of Analysis Lab	NCYC504
DP 3	0 0 3	1.5	Chemical Biology Lab	NCYC505
Total Credits 22.5				

Semester II				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 4	3 1 0	4	Reaction Engineering	NCHC514
DC 5	3 1 0	4	Computer aided drug design	NCYC506
DC 6	3 1 0	4	Clinical trials and Regulatory affairs	NCYC507
DE 3	3 0 0	3	--	
RM	3 0 0	3	Research Methodology	NCYC595
DP 4	0 0 3	1.5	Pharmaceutical documentation lab	NCYC508
DP 5	0 0 3	1.5	Chemical Engineering Lab	NCHC515
DP 6	0 0 3	1.5	Formulation/Manufacturing Lab	NCYC509
Total Credits 22.5				

Semester III				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 1	0 0 0	20	Thesis	NCYC597
Total Credits 20				

Semester IV				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 2	0 0 0	20	Thesis	NCYC598
Total Credits 20				

M.Sc. (CCB- Chemistry)

Semester I				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 1	3 1 0	4	Physical Organic Chemistry	NCYC511
DC 2	3 1 0	4	Quantum Chemistry	NCYC510
DC 3	3 1 0	4	Group Theory	NCYC512
DC 4	3 0 0	3	Main Group Chemistry	NCYC514
DC 5	3 0 0	3	Application of Spectroscopic Methods	NCYC513
DP 1	0 0 3	1.5	Organic Chemistry Lab – I	NCYC516
DP 2	0 0 3	1.5	Inorganic Chemistry Lab	NCYC515
Total Credits 21				

Semester II				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 6	3 1 0	4	Transition Metal Chemistry	NCYC519
DC 7	3 1 0	4	Molecular Spectroscopy	NCYC520
DC 8	3 0 0	3	Methods in Organic Synthesis	NCYC518
DC 9	3 0 0	3	Kinetics and Thermodynamics	NCYC517
DE 1	3 0 0	3	--	
DP 3	0 0 3	1.5	Physical Chemistry lab- I	NCYC521
DP 4	0 0 3	1.5	Analytical Chemistry lab	NCYC522
Total Credits 20				

Semester III				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 10	3 1 0	4	Photochemistry & Pericyclic reactions	NCYC524
DC 11	3 1 0	4	Organometallic Chemistry	NCYC525
DE 2	3 0 0	3	--	
DE 3	3 0 0	3	--	
RM 1	3 0 0	3	Research methodology and statistics	NCYC595
DP 5	0 0 3	1.5	Material Chemistry lab	NCYC526
DP 6	0 0 3	1.5	Computational Chemistry lab	NCYC523
Total Credits 20				

Semester IV				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 1	0 0 0	20	Thesis	NCYC598
Total Credits 20				