



Department of Chemical Engineering M.Tech Curriculum (2020 Onwards)

Course No	SEM-I	Credits	Type
CH5010	Advanced Numerical Methods	3	DC
CH5050	Heterogeneous Catalytic Reaction Engineering	3	DC
CH5060	Advanced Process Control	3	DC
CH5460	Process Integration	1	DC
CH5091	Process Engineering Lab	2	DL
	English Communication	1	SS
	Electives	3	DE
	Total	16	

Course No	SEM-III	Credits	Type
CH5025	Thesis (Stage 2)	9	Thesis
	Total	9	

Total Number of Credits : 52

Course distribution

Course No	Department Core (DC)	Credits	SEM
CH5010	Computational Methods for Chemical Engineers	3	1
CH5050	Heterogeneous Catalytic Reaction Engineering	3	1
CH5060	Advanced Process Control	3	1
CH5460	Process Integration	1	1

Course No	Soft Skills (SS)	Credits	SEM
LAXXX	English Communication	1	1

Course No	Department Electives (DE)	Credits	SEM
	Electives	3	1
	Electives	4	2

Course No.	SEM-II	Credits	Type
CH5080	Advanced Transport Phenomena	3	DC
CH5030	Molecular Thermodynamics	2	DC
CH5101	CFD Lab	2	DL
	Industry Lectures	1	SS
CH5015	Thesis (Stage 1)	3	Thesis
	Electives	4	DE
	Total	15	

Course No	SEM-IV	Credits	Type
CH5035	Thesis (Stage 3)	12	Thesis
	Total	12	

Course No.	Department Lab (DL)	Credits	SEM
CH5091	Process Engineering Lab	2	1
CH5101	CFD Lab	2	2

Course No	Thesis	Credits	SEM
CH5015	Thesis (Stage 1)	3	2
CH5025	Thesis (Stage 2)	9	3
CH5035	Thesis (Stage 3)	12	4