

Department of Chemical Engineering
Curriculum for 3-Year MTech (Research Assistantship through Project) program

Semester 1		
Code	Course Name	Credits
	Department Core	6
	Electives	3
LA5180	English Communication Skills: Advanced	1
CH5115	MTech (RA) Thesis Stage 1	2
	Total	12

Semester 2		
Code	Course Name	Credits
	Department Core	6
	Electives	4
CH5125	MTech (RA) Thesis Stage 2	2
	Total	12

Semester 3		
Code	Course Name	Credits
	Department Core	6
CH5135	MTech (RA) Thesis Stage 3	4
	Total	10

Semester 4		
Code	Course Name	Credits
	Department Core	2
CH5145	MTech (RA) Thesis Stage 4	4
	Total	6

Semester 5		
Code	Course Name	Credits
CH5155	MTech (RA) Thesis Stage 5	6
	Total	6

Semester 6		
Code	Course Name	Credits
CH5165	MTech (RA) Thesis Stage 6	6
	Total	6

Summary	
Department Core	20
Electives	7
Thesis	24
English	1
Total	52

Department Core: Odd Semester		
Code	Course Name	Credits
CH5010	Advanced Numerical Methods	3
CH5050	Heterogeneous Catalytic Reaction Engineering	3
CH5060	Advanced Process Control	3
CH5070	Process Integration	1
CH5091	Process Engineering Lab	2

Department Core: Even Semester		
Code	Course Name	Credits
CH5080	Advanced Transport Phenomena	3
CH5030	Molecular Thermodynamics	2
CH5101	CFD Lab	2
CH5036	Industry Lectures	1