



IPS Academy, Indore, Institute of Engineering & Science

(A UGC Autonomous Institute, Affiliated to RGPV, Bhopal)



Scheme Based on AICTE Flexible Curricula

I Semester

Master of Technology (M. Tech.) [Chemical Engineering]

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work Lab Work & Sessional					
1.	PSCC-MTCH101	PSCC	Advance Mass Transfer	60	25	15	-	-	100	3	1	0	4
2.	PSCC-MTCH102	PSCC	Design of Chemical Reactor	60	25	15	-	-	100	3	1	0	4
3.	PSEC-MTCH101	PSEC	Program Specific Elective Course-I	60	25	15	-	-	100	3	0	0	3
4.	PSEC-MTCH102	PSEC	Program Specific Elective Course-II	60	25	15	-	-	100	3	0	0	3
5.	LC-MTCH101	LC	Advance Mass Transfer Lab	-	-	-	60	40	100	0	0	4	2
6.	LC-MTCH102	LC	Design of Chemical Reactor	-	-	-	60	40	100	0	0	4	2
7.	MLC-MTCH101	MLC	Fundamental & Basic Design Calculation of Chemical Processes	60	25	15	-	-	100	2	0	0	2
8.	AUC-MTCH101	AUC	Audit Course-I	-	-	-	-	-	100	2	0	0	0
			Total	300	125	75	120	80	800	16	02	08	20

Program Specific Elective Course-I	Program Specific Elective Course-II	Audit Course-I
CFD Applications in Chemical Processing	Modeling & Simulation of Chemical Engineering System	Business Communication
Novel Separation Process	Interfacial Science and Engineering	Economics Policies in India
Advanced Transport Phenomena	Statistical Design and Analysis of Experiments	Disaster Management
Fundamentals of Adsorption and Catalysis	Multi-component Separations	Constitution of India